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Consolidated Space Operations Contract

WSC Transmission Control Protocol (TCP)/Internet Protocol (IP) Data Interface Service Capability (WDISC) Handbook for Desktop Development and Implementation, and System Tools and Maintenance

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Near Earth Networks Services

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Attached is DCN 002 to the WDISC Handbook for Desktop Development and Implementation, and Systems Tools and Maintenance document. This DCN is a result of an addition of a WDISC diagram in Section 1; an update to procedure 2.1, Desktop Development; an update to procedure 3.2, Notification to Customer of WDISC Operational Support; addition of a configuration management procedure in Section 5; a WDISC user addition (Landsat-7), resulting in an addition/change to Appendix C; and the deletion of references to the HP Scheduler including Appendix E. The DCN 002 copy of the document can be found on the Online Library and WDISC Web site. This can be downloaded and printed out.

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Attached is DCN 001 to the WDISC Handbook for Desktop Development and Implementation, and Systems Tools and Maintenance document. This DCN is a result of WDISC user addition (CNOFS), and a change to a desktop development procedure in Section 3. The DCN 001 copy of the document can be found on the Online Library and WDISC Web site. This can be downloaded and printed out.

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Consolidated Space Operations Contract

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Preface

The purpose of this document is to provide procedures for the ongoing development and implementation of the White Sands Complex (WSC) Transmission Control Protocol (TCP)/Internet Protocol (IP) Data Interface Service Capability (WDISC) system at the Goddard Space Flight Center (GSFC) Network Integration Center (NIC).

This document is under configuration management of the Goddard Space Flight Center Network Control Center (NCC) Miscellaneous Systems (NCCMS) Sustaining Engineering Review Board (SERB).

This document is available online via the Online Library at: https://edims.honeywell-tsi.com/

Access to the document also is available via the WDISC Web site at: http://ncc.gsfc.nasa.gov/syseng/wdisc/doc.htm.

This document will be changed by Documentation Change Notice (DCN) or complete revision.

Proposed changes to this document must be submitted to the WDISC SERB along with supportive material justifying the proposed change.

Comments or questions concerning this document and proposed changes shall be addressed to:

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Section 1. Introduction

1.1 Purpose

The White Sands Complex (WSC) Transmission Control Protocol (TCP)/Internet Protocol (IP) Data Interface Service Capability (WDISC) supports customers who require TCP/IP access to the WSC for telemetry and command processing. Support is provided from the National Aeronautical and Space Administration (NASA) Integrated Services Network (NISN) Closed IP Operational Network (IONET), using a defined set of authorized addresses. Below is a partial list of WDISC supported customers:

a. New Millennium Program Earth Orbiter –1 (NMP/EO-1).

b. Gravity Probe-B (GP-B).

c. Far Ultraviolet Spectroscopic Explorer (FUSE).

d. Long Duration Balloon (LDB).

e. Ultra Long Duration Balloon (ULDB).

f. Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED).

g. Solar Radiation and Climate Experiment (SORCE).

h. Galaxy Evolution Explorer (GALEX).

i. Swift.

j. Landsat-7.

1.2 Scope

This document defines the procedures used in desktop development, and implementation of new WDISC customer elements at the Network Integration Center (NIC) as well as system tools and maintenance.

1.3 WDISC Desktop Development Team

1.3.1 Desktop Developer

To process customer data through the WDISC, the Desktop Developer develops customer desktops with accompanying desktop drawings. The Developer uses Programmable Telemetry Processor (PTP) application software as well as project related documentation (DMRs, etc.)

1.3.2 Desktop Tester/Customer Coordinator

The WDISC Desktop Tester/Customer Coordinator interfaces with the customer by establishing agreements, familiarizing customer with WDISC operations and desktop setup, tests developed desktops and coordinates desktop transfer to operations.

1.3.3 WSC Data Base Administrator

The WSC Data Base Administrator (DBA) configures the Network Control Center Data System (NCCDS) database for the addition of WDISC customer desktop mapping for the scheduling of customer data throughput.

1.4 Customer-Developer Coordination

Prior to development of project desktops the WDISC Desktop Developer coordinates with project management and engineering personnel to obtain requirements and documentation, (e.g., Detailed Mission Requirements [DMR] and Interface Control Documents [ICD]).

1.5 WDISC System Overview

a. The WDISC system is located at the NIC (development) and the White Sand Complex (WSC) (operations). The operational system consists of 8 PTPs with each PTP containing three boards. Monitor and Control (M&C) workstations are located at the NIC and WSC. Scheduling is accomplished via the NCCDS at WSC. See Figure 1-1, WDISC Configuration Diagram, and Figure 1-2, WDISC Architecture with Expansion PTPs 3 and 4.

b. The GSFC Network Integration Center (NIC) contains a WDISC workstation for development and testing purposes. A PTP configuration maintenance unit is located in the NIC for use by the WDISC Development Team for entering configuration data.

c. GSFC Building 25, Room N171, provides a backup facility for the NIC in the event of an evacuation of Building 13. This backup facility has a WDISC workstation for development and testing purposes.

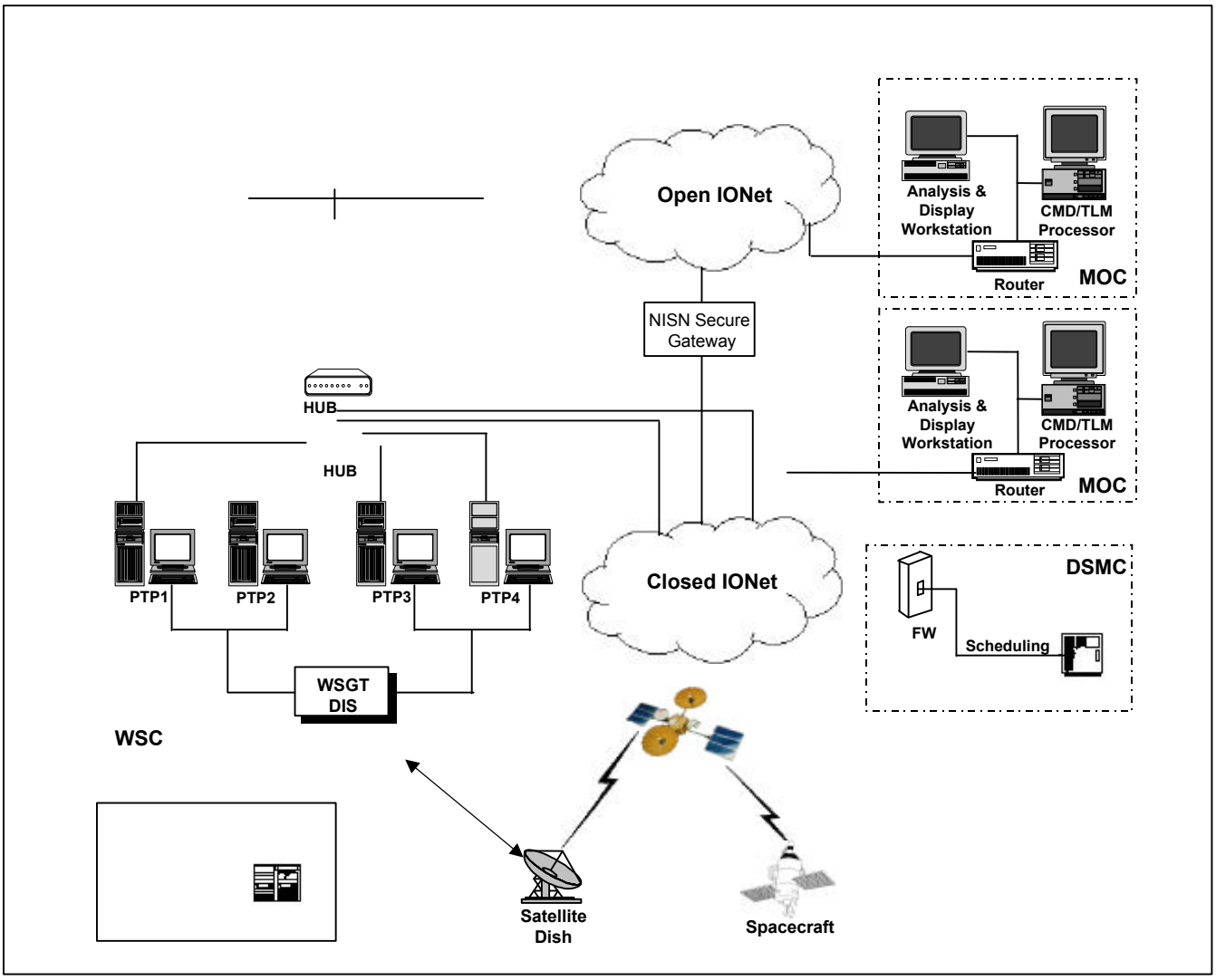


Figure 1-1. WDISC Configuration Diagram

FWD LI “J” (W30)
RTN LI “P” (W55)

FWD LI “K” (W31)
RTN LI “Q” (W56)

FWD LI “L” (W32)

Figure 1-2. WDISC Architecture with Expansion PTPs 3 and 4

Section 2. Development Procedures

2.1 Desktop Development

2.1.1 Purpose

This procedure describes the method for developing project desktops.

2.1.2 Participants

a. WDISC Desktop Developer.

b. Project.

2.1.3 Procedure

When creating desktops for a new WDISC customer project, the WDISC Desktop Developer uses the PTP application software to form a data processing structure based upon a variety of mission requirement and PTP software knowledge. The developer should perform the following items:

a. Prior to developing desktops for a new project, the Desktop Developer must obtain all of the documentation that is available at that current stage of the project's development. A dialog should also be started with the customer to define project requirements, understanding changes planned, but not documented in ICDs, DMRs, etc.

b. The developer needs to determine if the customer will use the open or closed IONet and prepare a firewall rule set for the various stages of desktop testing and MOC interface verification checks.

c. Determines the processing functionality needed in the Command, Telemetry and Command Switch desktop streams.

d. Provide the AB command switch escape sequences to the customer. The switch must be set to A when spacecraft commands are to be processed by PTP1 or PTP3. The switch must be set to B when spacecraft commands are to be processed by PTP2 or PTP4. The escape sequences are as follow:

To throw switch to A = hex:	1B	53	4E	31	41
ASCII:	Esc	S	N	1	A
To throw switch to B = hex:	1B	53	4E	31	42
ASCII:	Esc	S	N	1	B

e. Contacts the Mission Operations Center (MOC) to obtain TLM test data to check out the new desktops and MOC interface. Prepare the test data for use with the test desktop.

f. Determine if forward data code conversion (for example, from NRZ-L to NRZ-M) is needed and modify the command serial output as needed.

g. Determines if a clamped or toggle idle pattern is needed.

h. Determines if Reed-Solomon (R-S) error correction is needed. Set the Interleave, Fill, accept correctable R-S frames, and accept uncorrectable R-S frames parameters to meet mission requirements.

i. Determine if de-randomization is needed.

j. Determine if either the R-S and/or the frame synchronization pattern are to be stripped from the telemetry stream.

k. Establish the IP addresses and port numbers that are acceptable to both the WDISC and MOC systems.

l. Confirm the Space Network (SN) command data rates.

m. Build operational and test desktop(s) along with drawings that depict the data processing sequence for each desktop. See Appendix B for desktop drawings. Use either Mission supplied test data or PTP generated simulation data to verify proper operation of the desktops. Use two development machines to confirm error free data flow and that the correct interface protocol is used.

n. Build a post-pass data playback desktop.

o. Update the master archive with desktops, drawings data, and documents applicable to the mission. The master archive is kept by the WDISC Desktop Developer at Goddard Corporate Park (GCP).

p. Install and write-protect the desktops and data onto the WDISC system.

q. Provide a copy of the desktop drawings to the WDISC test team. Convert the Visio drawings (remove any IP address references) into a Word document and e-mail it to the customer and other interested parties as needed (Compatibility Test Van [CTV] etc.). Hand-carry a copy of the original drawing files to the desktop tester.

r. Develop TLM data files.

2.2 Transfer of Developed Desktops and Data Sets to WSC

2.2.1 Purpose

This procedure provides the steps normally taken to transfer developed desktops and data sets from the NIC WDISC Maintenance computer to the WSC PTP systems.

2.2.2 Participants

a. WDISC Desktop Developer

2.2.3 Procedure

2.2.3.1 Preparation

Prepare the developed desktops and data by grouping (zipping) them together into a single file (this preserves their time stamp identity and simplifies the transmission process by sending a single file). The zip files can then be sent by FTP to one or all WSC machines.

2.2.3.2 File Transfer

For file transfer perform the following steps:

a. Log into the WDISC Maintenance PC and place the zip file, to be sent to WSC PTP systems, into a local folder.

b. Select the configuration file to run the local Remote Administrator (Radmin) client application for the selected PTP.

c. Transfer the Local System zip data to the Remote System ncc\jb folder (a password is required) on the selected PTP.

d. Start the remote control program on the Maintenance PC.

e. Click the NT Explorer icon on the selected PTP (through the remote control display).

f. Use NT Explorer to open the D:\Inet pub\ftproot\ncc\jb folder and delete any old files.

g. Extract (unzip) the new files from the transferred zip file into the jb folder.

h. Create a new mission folder (if one is not present) under the D:\Inet pub\ftproot\ncc\ path and move the extracted mission desktops and data from the jb to the mission folder. Extract any further mission zip files into the mission related folder.

i. Copy the new desktop files to the desktops folder on the C drive (C:\ptp_user\Desktops) to make them available for operational use. Data files should be copied to the C:\ptp_user\Logs folder.

j. Repeat steps b through i to transfer files to other Second TDRS Ground Terminal (STGT) and White Sands Ground Terminal (WSGT) PTP systems.

2.3 PTP Testing with Project Customer

2.3.1 Purpose

This procedure describes the method to test developed desktops to ensure correct operational data transfer through the PTPs.

2.3.2 Participants

a. WDISC Desktop Tester.

b. Project MOC.

c. Mission Commitment Manager (MCM).

d. Mission Commitment Engineer (MCE).

2.3.3 Procedure

2.3.3.1 PTP Test

2.3.3.1.1 General

This test verifies the WDISC/PTP configuration and connectivity between WDISC PTP and customer MOC, and the ability of the customer to failover from primary to backup PTP.

2.3.3.1.2 PTP Pre-test

Prior to testing the desktop, the tester obtains from the customer the test plan rule and set information for IONet usage. Re-verify whether the customer will use open or closed IONet. Verify desktop files are in the PTP and drawing files have been obtained from the developer and that the telemetry data file (if required) is on hand.

2.3.3.1.3 Testing

a. Coordinate with the MOC a date and time for the test.

b. Issue a Briefing Message (BM). See Figure 3-1 for sample briefing message.

c. Verify IP connectivity between PTP and MOC, prime and backup. Do this for each ground terminal (STGT and WSGT).

d. Develop PTP board assignment.

e. Have MOC transmit test command data to each PTP.

f. Verify MOC can activate Command select switch for Prime and Backup PTPs.

g. Flow telemetry test data to the MOC through both PTPs at each ground terminal. Test ground terminals one at a time.

h. Repeat connectivity for each PTP board.

2.3.3.1.4 Post-Test

Prepare test results report and send to the WDISC Desktop Developer, project, NASA MCM and MCE. Coordinate via e-mail needed changes to desktops with Desktop Developer. Retest updated desktops. Report results to Desktop Developer, etc.

2.3.3.2 Test Results Report

At the conclusion of each test a report is generated and sent to the WDISC Desktop Developer, Project MOC, MCM, MCE, and the WSC test group. See Figure 2-1, Test Results Report Sample.

From: Kenneth.E.Chambers@gsfc.nasa.gov
[mailto:Kenneth.E.Chambers@gsfc.nasa.gov]
Sent: Thursday, March 13, 2003 1:55 PM
To: Leslie.Ambrose@gsfc.nasa.gov; Kenneth.E.Chambers@gsfc.nasa.gov;
john.e. rvin son@gsfc.nasa.gov; john.ervin@csoconline.com;
rwarner@mail.wsc.nasa.gov; mrios@mail.wsc.nasa.gov;
wscos@mail.wsc.nasa.gov; Johnny.D.Jones@gsfc.nasa.gov;
Donald.Davenport@gsfc.nasa.gov; jon.walker@gsfc.nasa.gov;
Tech.Manager@nccmail.gsfc.nasa.gov; Arnold.P.Rausch.1@gsfc.nasa.gov
Subject: NCCNTR-Customer/WDISC Data Flow
NCC Network Test Report #5389 – Initial Distribution
Test Date: 03/13/03 Request Date: 03/06/03 Report Date: 03/13/03
Report Type: Test Test Category: Space Network(SN) Test
From: K. CHAMBERS
Test Start DOY: 72 Z-Time: 1500Z Test End DOY: 72 Z-Time: 1700Z
Ground Station(S): STGT
Mission/Project: Customer
Briefing Message(s) DTG: 12/1212Z MAR 2003
Test Title: Customer/WDISC Data Flow
Participants: NIC, Customer MOC, NISN, STGT/WSGT
Test Objectives:
Verify command, telemetry data flow, and command switch/failover
capability between the SN WDISC and Customer MOC.
Results: Objective Partially Met
Summary and Remarks:
Testing was conducted using STGT PTP 1 and 2. Telemetry data flow
was successful however, we were unable to establish socket
connections for command data and the failover switch. The MOC
suspects a software problem in the MOC. A rerun will be scheduled
in the near future.
S/W Releases: NCC: WSGTU: STGT: GN:
Software Required per SSI☹)
End of NCC Network Test Report .....

Figure 2-1. Test Results Report Sample

2.4 End-to-End Test Procedure

2.4.1 Purpose

This procedure describes how to conduct an end-to-end test to verify the interface from WSC into the PTP.

2.4.2 Participants

a. WDISC Desktop Tester.

b. Project MOC.

c. WSC.

2.4.3 Procedure

2.4.3.1

After successful PTP test, the WDISC Desktop Tester performs an End-to-End (E-T-E) Test using the Radio Frequency Simulations Operations Center (RFSOC), CTV, Simulation or the customer spacecraft to verify the interface from WSC into the PTP. The E-T-E Test using command data is performed with each ground terminal. After successful command testing, the tester performs a reverse test using telemetry data on the return link. This test is also performed with each ground terminal. For complete verification of system performance in the E-T-E Test, the WDISC Desktop Tester must perform a full (command and telemetry) test with the customer spacecraft. See Figure 2-2, Customer E-T-E Test Sample Briefing Message.

2.4.3.2

At the completion of the test the WDISC Desktop Tester prepares and distributes a Test Results Report to the WDISC Desktop Developer, Project MOC, MCM, MCE, and the WSC test group. See Figure 2-1.

```
AMS010A  03/1240Z                  AMDS FEB 03, 1999  15:08:35 Z
Date: Wed, 3 Feb 1999 13:57:25 +0000 (GMT)
From: ncc <gceb@ams>
To: gwsc@ams, gbcf@ams, grnblt-des <gdes@ams>, Greenbelt SOC <gsic@ams>,
    ggfd@ams, gdro@ams, COMMGR <commgr@ams.gsfc.nasa.gov>,
    stdn-nocc-gblt <gcen@ams>, ctv@listserv.gsfc.nasa.gov
Subject: BRIEFING MESSAGE FOR Customer SPACECRAFT END TO END TEST

03/1240Z
FM NCC
TO GWSC/OPS
GBCF/SIMON BURVIS 513
GDES/BOUCHARD JOHNSON
GSIC/GAMS BECKWELL RFSOC
INFO/GGFD/OPS
GDRO/ADO
COMMGR/OPS
DLD/ODONNEL 453.4/JENKINS 567/MORSE FLAHERTY 450/WALKER 451/LORENZ
452/NOG/NSO/NSS/PAP/PMO/SEO/SSG/PA/SO/NCC ACQ TRK/DBA/TM/CHAMBERS
NIA/SSG/EMAIL
ctv@listserve.gsfc.nasa.gov

BRIEFING MESSAGE FOR THE Customer SPACECRAFT END TO END TEST.

1. THE Customer SPACECRAFT END TO END TEST IS SCHEDULED ON
   FEBRUARY 11, 1999 FROM 1635 TO 2100Z.

2. PARTICIPANTS:

   NCC, STGT, NISN, FDF, CTV, Customer SPACECRAFT I&T, Customer SCC.

3. OBJECTIVES:

   THE TEST OBJECTIVES ARE TO VERIFY:

   A. THE CAPABILITY OF THE SN TO SUPPORT Customer REQUIRED SERVICES.
   B. WDISC FORWARD AND RETURN LINK DATA INTERFACES BETWEEN THE
      Customer SCC AND STGT.
   C. THE CAPABILITY OF THE SN TO ACQUIRE THE Customer SPACECRAFT RECEIVER
      WITH A TDRS FORWARD LINK CONFIGURED IN THE GN MODE.
   D. THE CAPABILITY OF THE Customer SCC AND SN TO TRANSMIT COMMAND DATA
      TO THE Customer SPACECRAFT.
   E. THE CAPABILITY OF THE Customer SCC TO RECEIVE AND PROCESS SPACECRAFT
      TELEMETRY DATA FROM THE SN.

4. TEST DESCRIPTION:

   A. TDRSS FORWARD AND RETURN LINK SERVICES HAVE BEEN SCHEDULED
      FOR RF TRANSMISSION TO/FROM THE Customer SPACECRAFT VIA FIBER
      OPTIC LINK AND CTV AT BUILDING 25.
   B. CTV WILL ORIENT THE CTV ANTENNA POINTING FOR RF TRANSMISSION
      TO TDRS SPARE (TDRS-1).
```

Figure 2-2. Customer End-To-End Test Sample Briefing Message

C. Customer SPACECRAFT I&T WILL CONFIGURE THE SPACECRAFT TO PROVIDE FORWARD AND RETURN LINK RF I/F WITH TDRSS VIA THE FIBER OPTIC LINK AND CTV.
D. CTV/STGT/ Customer I&T WILL PERFORM FORWARD AND RETURN LINK C/NO MEASUREMENTS.
E. Customer SCC WILL RECEIVE/PROCESS/VERIFY RETURN LINK SPACECRAFT TELEMETRY DATA VIA THE SN.
F. Customer SCC WILL TRANSMIT COMMAND DATA TO THE SPACECRAFT VIA SN.
G. NCC WDISC ENGINEERS WILL CONFIGURE THE STGT WDISC PTP TO:
- RECEIVE FORWARD LINK DATA FROM THE Customer SCC AND SEND THE DATA TO THE STGT FORWARD LOCAL INTERFACE PORT.
- RECEIVE RETURN LINK DATA FROM THE STGT LOCAL INTERFACE PORT AND SEND THE DATA TO THE Customer SCC.

H. STGT WILL CONFIGURE THE GN COMMAND EQUIPMENT/FORWARD LINK TO:
- RECEIVE COMMAND DATA FROM THE WDISC PTP/FORWARD LINK LOCAL INTERFACE PORT AND INPUT TO THE GN COMMAND EQUIPMENT.
- MODULATE THE COMMAND DATA ONTO THE 16 KHZ SUBCARRIER.
- MODULATE THE 16 KHZ SUBCARRIER ONTO THE TDRS FORWARD LINK.
- TRANSMIT THE FORWARD LINK TO THE Customer SPACECRAFT VIA TDRS 4/CTV.

I. STGT WILL RECEIVE SPACECRAFT/RETURN LINK DATA FROM CTV AND INPUT THE DATA TO THE RETURN LINK LOCAL INTERFACE PORT/WDISC PTP FOR TRANSMISSION TO Customer SCC.
J. Customer I&T/CTV/STGT WILL VERIFY FORWARD LINK SWEEP, ACQUISITION THRESHOLD AND EVALUATE THE LINK PERFORMANCE.

5. TIMELINE:

	DAY/START-STOP	ACTIVITY
	FEB 11, 1999 042/NORMAL TRANSMISSION	SHO, SV, NES, SKED TRANSMISSION
	042/1605-1635Z	COMM ACTIVATION AND BRIEFING
1	042/1635-2100Z TDS, SA-2 H21, I21, T21	8 KBPS RTN TELEMETRY DG2 TYPE 1 CMD 2KBPS, RCP, SUPIDEN A5657EE
	042/2100-2110Z	DEBRIEFING

6. NCC REQUIREMENTS:

A. NCC WILL BUILD SHO’S AND SCHEDULE SN EVENTS PER THE TEST TIMELINE.
B. TRANSMIT SHO’S AND SV TO STGT AT NORMAL TRANSMISSION TIME.
C. NCC WILL TRANSMIT GCMR’S AS REQUIRED.
D. CONFIGURE THE WDISC SYSTEMS TO PROVIDE FORWARD AND RETURN LINK DATA TRANSMISSION TO/FROM STGT. PTP ONE BOARD ONE WILL BE USED.

Figure 2-2. Customer End-To-End Test Sample Briefing Message, Cont.

```
    E. CONFIGURE WDISC SYSTEMS TO SEND Customer RETURN LINK TELEMETRY
       DATA TO THE Customer SCC.
    F. RECORD THE SPACECRAFT TELEMETRY DATA.
    G. CONFIGURE WDISC SYSTEMS TO RECEIVE COMMAND DATA FROM THE Customer
       SCC AND SEND THE DATA TO THE SN FORWARD LINK.
    H. SEND RECORDED SPACECRAFT TELEMETRY DATA TO THE Customer SCC VIA
       FTP IF REQUESTED.

7.  STGT REQUIREMENTS:

    A. SUPPORT PER THE TEST TIMELINE.
    B. REFER TO PARAGRAPH 4.
    C. STGT WILL CONFIGURE THE FORWARD LINK EIRP TO 48.5 DBW
       PER LOCAL TSI.
    D. PROVIDE RETURN LINK C/NO MEASUREMENTS.
    E. MONITOR RETURN LINK CW AND ASSIST WITH ANTENNA
       POINTING/CALIBRATION.
    F. MONITOR RETURN LINK DATA TRANSMISSIONS AND PROVIDE SPECTRUM
       PLOTS IF REQUESTED.
    G. PROVIDE EB/NO READINGS WHEN REQUESTED.
    H. PROVIDE A GN TDRSS FORWARD LINK.
    I. PERFORM FORWARD LINK SWEEP, ACQUISITION, AND THRESHOLD TESTS
       WITH Customer I&T.
    K. FORWARD LINK PORT IS J (W30), RETURN IS P (W55).
    L. ASSIST WITH TROUBLESHOOTING IF REQUIRED.

8. CTV REQUIREMENTS:

     A. SUPPORT PER THE TEST TIMELINE.
     B. ORIENT THE CTV ANTENNA FOR  RF TRANSMISSION
        TO TDRS EAST (TDRS-1 AT 49 DEGREES WEST LONGITUDE).
     C. PROVIDE FORWARD AND RETURN LINK RF INTERFACE BETWEEN CTV
        AND THE Customer SPACECRAFT VIA FIBER OPTIC INTERFACE.
     D. MONITOR TEST ACTIVITIES AND ASSIST WITH TROUBLESHOOTING
        IF REQUIRED.
     E. NOTIFY THE GTD OF ANY PROBLEMS OR ANOMALIES ENCOUNTERED.

9. Customer SPACECRAFT I&T REQUIREMENTS:

    A. SUPPORT PER THE TEST TIMELINE.
    B. CONFIGURE THE SPACECRAFT TO SUPPLY FORWARD AND RETURN
       LINK RF TO CTV AT BLDG 25 VIA THE FIBER OPTIC LINK.
    C. ON REQUEST CONFIGURE THE SPACECRAFT RETURN LINK TO CW
       FOR C/NO MEASUREMENTS.
    D. CONFIGURE THE SPACECRAFT FOR RETURN LINK TELEMETRY DATA
       TRANSMISSIONS TO Customer SCC VIA CTV AND TDRSS.
    E. CONFIGURE THE SPACECRAFT TO RECEIVE COMMANDS FFROM THE
       Customer SCC VIA CTV AND TDRSS.
    F. VERIFY PROPER COMMAND AND TELEMETRY DATA TRANSMISSION
       BETWEEN THE SPACECRAFT AND Customer SCC.
    G. ASSIST WITH TROUBLESHOOTING IF NECESSARY.
    H. REPORT ANY PROBLEMS OR ANOMALIES TO THE GTD.
```

Figure 2-2. Customer End-To-End Test Sample Briefing Message, Cont.

10. Customer SCC REQUIREMENTS:

A. SUPPORT PER THE TEST TIMELINE.
B. AT COMM ACTIVATION TIME CALL GSFC VOICE CONTROL ON THE TELEPHONE (301-286-5471) AND REQUEST VOICE CONTROL TO ADD (CONNECT) THE CALL TO THE Customer TEST COORD.
C. CONFIGURE SCC SYSTEMS TO RECEIVE Customer SPACECRAFT TELEMETRY DATA FROM THE SN VIA THE WDISC SYSTEM AND ISDN DATA LINE.
D. VERIFY QUALITY OF TELEMETRY DATA.
E. CONFIGURE SCC SYSTEMS TO TRANSMIT COMMANDS TO THE Customer SPACE-CRAFT VIA ISDN DATA LINE, WDISC, AND THE SN.
F. VERIFY WITH Customer I&T PROPER RECEIPT AND PROCESSING OF COMMAND DATA AT THE Customer SPACECRAFT.
G. NOTIFY THE GTD OF ANY PROBLEMS OR ANOMALIES ENCOUNTERED.

11. NISN REQUIREMENTS:

A. VOICE: TEST COORD – NCC, STGT, NISN, CTV, Customer SPACECRAFT I&T, Customer SCC (VIA TELEPHONE)

B. DATA:

COMMAND AND TELEMETRY DATA TRANSMISSION BETWEEN STGT AND Customer SCC WILL BE VIA WDISC, IONET AND Customer ISDN DATA LINE

12. FDF REQUIREMENTS:

A. PROVIDE THE NCC WITH THE FOLLOWING VECTORS PRIOR TO TEST START FOR TRANSMISSION TO STGT:

TEST	SV TYPE	EPOCH TIME	COORDINATES	SIC/VIC
Customer	08	042/0800Z	RFSOC	5657/01

B. PROVIDE INP'S TO CTV VIA EMAIL FOR TDRS-1 (49 DEG WEST) FOR DAY 042.

CTV EMAIL ADDRESS IS:

CTV@POP500.GSFC.NASA.GOV

C. PROVIDE POST TEST ANALYSIS OF TRACKING DATA IN ACCORDANCE WITH STANDARD FDF REQUIREMENTS AND PROCEDURES.

13. REPORTS:

A. THE GTD WILL CONDUCT A DEBRIEFING WITH ALL ELEMENTS BEFORE TERMINATING THE TEST.
B. THE GTD WILL PROVIDE THE MM/452.1 WITH A DETAILED TEST RESULTS REPORT. THE GTD WILL ENSURE ALL PERTINENT DOCUMENTATION (TTR'S TRR'S, ETC,) IS PROVIDED TO THE MM.

Figure 2-2. Customer End-To-End Test Sample Briefing Message, Cont.

```
     C.  STGT WILL PROVIDE A TEST ACTIVITY REPORT TO THE MM AND
         GTD VIA FAX OR EMAIL AS FOLLOWS:

           MM
           EMAIL –
           FAX -.

           GTD
           EMAIL

14. POINTS OF CONTACT:

    MM                                  301-286-XXXX
    MM                                  301-286-XXXX
    GTD                                 301-XXX-XXXX
    CTV                                 301-286-XXXX
    STGT/TC                             505-527-7115
    NISN COMMGR                         301-286-6141
    Customer SCC                        XXX-XXX-XXXX
    Customer SPACECRAFT I&T             XXX-XXX-XXXX
    Customer SYS ENG                    XXX-XXX-XXXX
    Customer MISSION PLANNING           XXX-XXX-XXXX
GTD SENDS
```

Figure 2-2. Customer End-To-End Test Sample Briefing Message, Cont.

2.5 Updating NCCDS for New Desktop Scheduling

2.5.1 Purpose

This procedure describes the process for updating the NCCDS with new WDISC desktop mapping and verifying it is ready for operational support.

2.5.2 Participants

a. WSC DBA.

b. WDISC Desktop Tester.

c. WDISC Desktop Developer.

d. Project MOC.

2.5.3 Procedure

2.5.3.1 Forwarding of Desktop Information for NCCDS

After the new desktop has been verified and certified by the Project MOC, a Project Data Sheet (see Figure 2-3 and Appendix C), completed by the WDISC Desktop Tester/MOC, and Desktop Configuration Parameters file (see Figure 2-4 and Appendix D), prepared by the Desktop Developer are forwarded by the WDISC Desktop Tester to the WSC DBA as a Data Base Change Request (DBCR). The WDISC DBA maps the desktop into the WDISC Scheduling database tables and verifies the NCCDS database configuration for operations.

2.5.3.2 NCCDS Scheduling Test

To verify that NCCDS is correctly configured to support the new desktops the WDISC Desktop Tester coordinates with the project MOC to conduct an NCCDS Scheduling test by submitting a schedule for each new desktop. See procedure 2.6 for coordination with WSC for testing with WDISC systems.

2.5.3.3 Verification that PTP Server Reads Correctly to NCCDS

The WDISC Desktop Tester monitors the PTP to ensure the server responds correctly to schedule requests from the NCCDS and verifies scheduled events are correctly reported in NCCDS PTP Events report. The WDISC Desktop Tester notifies the WSC DBA that the new desktops were successfully tested.

2.5.3.4 Verification of NCCDS is Ready for Verification Testing

After verification that the NCCDS can support new desktop names, the WSC DBA then forwards a Data Base Change Notice (DBCN) to the WDISC Desktop Tester, WDISC documentation support, the WDISC SERB, and the MOC.

2.5.3.5 Creation of Project Data Sheet

Upon receipt of the DBCN, documentation support will request the DBA to e-mail WDISC Mapping, and Parameter Reports to develop the project data sheet.

Name of Project Board 1, 2, 3

Prime, Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes

[redacted]

Desktop		Mission	PTP	Sync Pattern		Frame Length	Address		Type
TLM		CMD		SW		FWD		Virtual	Network
Port	Length	Port	Length	Port	Length	Data Rate	Code	Channel	
Description									

Figure 2-4. Desktop Configuration Parameters File

2.6 Coordination with WSC for Testing/Development Work with WDISC Systems

2.6.1 Purpose

This procedure describes the method for coordinating with WSC when testing/development is needed with the WDISC system.

2.6.2 Participants

a. WDISC Desktop Tester/Desktop Developer.

b. WSC SN Scheduler.

c. WSC Test/Operations Personnel.

2.6.3 Procedure

a. Prior to commencing test/development work on WDISC systems, the WDISC Desktop Tester/Developer will contact the WSC SN Scheduler to determine WDISC system availability.

b. The Scheduler will check the WDISC schedule and verify its availability.

c. The Scheduler will contact WSC Test/Operations personnel and notify them of the request. The Test and Operations personnel will confirm with scheduling whether or not systems are available. The Scheduler will notify tester/developer of availability.

Section 3. Transition to Operations

3.1 Verification of MOC Ability to Flow Data and Operate with WSC

3.1.1 Purpose

This procedure verifies the ability of the MOC to operate through the WSC and ground terminals.

3.1.2 Participants

a. WDISC Desktop Tester.

b. Project MOC.

c. WSC.

3.1.3 Procedure

a. The WDISC Desktop Tester prepares a briefing message (see Figure 3-1), and facilitates testing to determine whether the Project MOC is able to schedule and receive data via the WDISC. The tester will arrange for scheduling via the UPS, SWSI, or manual mode (via e-mail schedule request message) whichever matches the MOC's requirements.

b. The tester observes the test and the Project MOC's performance.

c. Post-test, the tester provides the Project MOC with detailed comments/test report and determines if further testing is needed.

AMS003A 071:12:22:23 Wed Mar 12 12:22:23 2003

From gceb@comm.gsfc.nasa.gov Wed Mar 12 12:22:22 2003

Return-Path: <gceb@comm.gsfc.nasa.gov>

Briefing message for Customer/WDISC data flow.

1. A Customer /WDISC data flow is scheduled on March 13, 2003 from 1500Z TO 1700Z.

2. Participants:

NIC, Customer MOC, NISN, WSGT/STGT

3. Objectives:

The test objective is to verify command, telemetry data flow, and

Command switch/failover capability between the SN WDISC and Customer MOC.

4. Test description:

A. NIC will configure WDISC to play back a Customer telemetry data file to the Customer MOC.

B. Customer MOC will receive, process, and verify telemetry data quality.

C. Customer MOC will send command data to the WDISC.

D. SN will verify receipt of the command data at WDISC.

E. Customer MOC will exercise the command switch/failover functions.

5. Timeline:

DAY/START-STOP	ACTIVITY
Mar 13, 2003	
072/1500-1510Z	COMM activation and briefing
072/1510-1650Z	Command and telemetry data flow
072/1650-1700Z	Debriefing

6. NIC requirements:

A. NIC will configure WDISC systems and support testing

as specified in the test description.

7. Customer MOC requirements:

B. Receive, process, and verify telemetry data quality.

C. Send command data to the WDISC.

D. Exercise the command switch/failover capability.

8. WSGT/STGT requirements:

A. The WDISC test team will be using WSGT/STGT PTP 1 and 2.

B. WSGT/STGT personnel are not required to support this test.

Figure 3-1. MOC Data Flow with Manual Mode Scheduling Briefing Message Sample

9. NISN requirements:

A. Voice: NIC, Customer MOC (01703)

B. Data:

Telemetry data transmission between WSC and Customer MOC will be via WDISC and IONET

10. Points of contact:

450	301-286-XXXX
GTD	301-XXX-XXXX
WDISC Developer	301-XXX-XXXX
Customer MOC	XXX-XXX-XXXX
Customer MOC	XXX-XXX-XXXX
Customer MOC	XXX-XXX-XXXX
Customer MOC	XXX-XXX-XXXX
NISN COMMGR	301-286-XXXX

GTD Sends

Figure 3-1. MOC Data Flow with Manual Mode Scheduling Briefing Message Sample Cont.

3.2 Notification to Customer of WDISC Operational Support

3.2.1 Purpose

This procedure discussed the notification of WDISC operational support to customers.

3.2.2 Participants

a. WDISC Development Team.

b. Project MOC.

c. MOC Flight Operations Manager.

d. WDISC SERB.

e. WSC Ops.

3.2.3 Procedure

3.2.3.1 General

Once project/customer desktops have been tested and verified ready for operations by the desktop developer, and tester, the MOC is notified that WDISC is ready for operational support.

3.2.3.2 Notification of Operational WDISC System

The WDISC Development Team notifies the customer MOC via e-mail that the WDISC system is ready to support their mission. See Figure 3-2, Notification to MOC of Operational WDISC System.

Date:
To: Project MOC, Project Flight Operations Manager, WSC Ops, WDISC SERB, MCE
From WDISC Development Team

Subject: Notification of WDISC System Ready for Mission Operations Support

This memo serves as notification that the WDISC system is now ready to support the XXX mission.

Figure 3-2. Notification to MOC of Operational WDISC System

3.3 Contingency Fallback to Non-automated Mode

3.3.1 Purpose

This procedure directs the WSC Scheduler to two procedures in the event the automated scheduling system fails.

3.3.2 Participant

WSC Scheduler.

3.3.3 Procedure

In the event the automated scheduling systems fails, the WSC Scheduler follows the Scheduling Client procedure found in Section 4, as well as the Transfer of Developed Desktops and Data Sets to WSC procedure in Section 2.

Section 4. Tools

4.1 Scheduling Client

4.1.1 Purpose

This procedure describes the method to troubleshoot, add and delete an event using the WDISC Monitor NT.

4.1.2 Participants

a. WDISC Development Team.

b. WSC WDISC Operator.

4.1.3 Procedure

4.1.3.1 General

This procedure enables the WSC WDISC operator to use the Scheduling Client as an alternate method to troubleshoot, add, or delete an event when normal operations are unable to due to anomalies. The Scheduling Client is a software tool that connects to the Scheduler Server. The Scheduler Server executes the add/delete requests and transmits the information to the board servers. Access to the WDISC systems is through the NIC NT, TOCC NT, and locally at the PTPs. See figure 4-1.

4.1.3.2 Accessing Scheduling Client

The following steps access the Scheduling Client to add or delete an event.

a. Go to My Computer, select Drive C.

b. Select ptp_user folder.

c. Select SchedClient folder.

d. Select PTPSchedClient.exe.

4.1.3.3 Add or Delete an Event

a. Select PTPSchedClient.exe.

b. The Schedule Client display appears.

c. Enter IP address of PTP.

d. Select from the 12-item Command menu, see Figure 4-2.

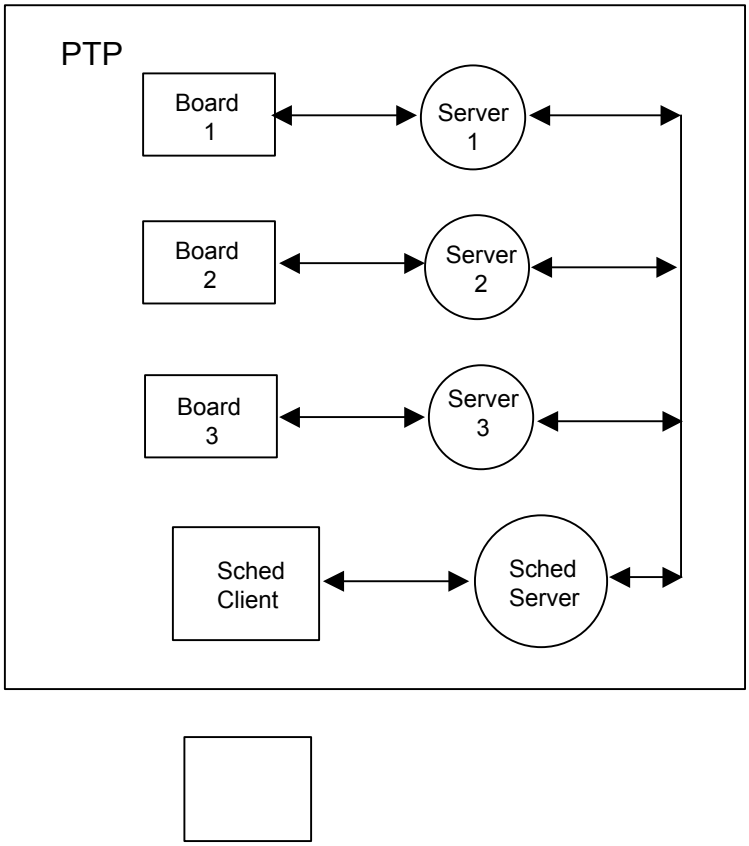


Figure 4-1. PTP Block Diagram

1. Test server response.
2. Copy events to log file.
3. Force server log file to roll over. (Closes out current log and creates new log.)
4. Enter local PTP event.
5. Schedule event with server.
6. Delete scheduled event.
7. List local PTP event.
8. Wipe clear local PTP events.
9. Kill the server quickly.

+. Add 1 minute to local PTP event.

? Help.

! Quit.

Figure 4-2. 12 Item Command Menu

4.1.3.3.1 To Add or Enter a PTP Event:

a. Select #4 on Command menu.

b. Enter event slot number (number 1-9).

c. Enter port number for server on which event is to be scheduled (ex. 4000, 4001, 4002).

d. Enter desktop name.

e. Enter start and stop times, 2002/HH:MM:SS

f. Menu prompts, Is there Forward Service? Y/N. Enter N.

g. Select #5 on 12 item menu.

h. Type in PTP Event number 1-9.

i. Server responds, “OK”.

j. Verify event has been scheduled.

1. To verify, go to SchedServer display and select Logs folder. Refer to paragraph 4.1.3.4 to access the SchedServer folder.

2. If event has been scheduled, the display will read, “New Event Scheduled: OK”.

4.1.3.3.2 To Delete a PTP Event

a. Select #6 on 12 item menu.

b. Delete PTP event.

c. Verify by going to SchedServer display. Click on Logs folder.

d. Look for “Info: Event deleted OK”.

e. Then have to delete event out of SchedClient.

f. Select #8 on 12 item Command menu to wipe SchedClient clean.

4.1.3.4 Troubleshooting

a. To troubleshoot, view the PTP Events List:

1. Go to My Computer, select C drive.

2. Select ptp_user folder.

3. Select SchedServer folder.

4. Select Logs folder.

5. Open a log file.

b. This log displays events 2 weeks in the past, and events 3 days in the future.

Section 5. Maintenance

5.1 Updating Configuration of Playback Data Clean Up Files

5.1.1 Purpose

This procedure details the steps to update the configuration of playback data clean-up files.

5.1.2 Participants

a. WDISC Desktop Developer.

b. WSC DBA.

5.1.3 Procedure

5.1.3.1 General

The playback data clean up file resident on each PTP is maintained by the WDISC Desktop Developer. The file is an MS-DOS batch file identified as d:\ats\del50hrs.bat. The file is periodically executed on each PTP to delete old telemetry data. This file will need updating for a new customer, a customer whose directory name changes, or a customer who needs to change the time limit for retaining telemetry data on the PTPs.

5.1.3.2 Updating the File

a. The WDISC Desktop Developer connects from GSFC to each PTP via remote control and directly edits the file with a text editor such as MS WordPad. The file consists of individual lines that apply to data for each customer, such as this line for the FUSE customer:

   c:\ntreskit\perl\perl c:\ptp_user\perl\DeleteOldFiles.pl 50

   d:\inetpub\ftproot\fuse

b. In this example, the line will execute a Perl script called DeleteOldFiles.pl and delete telemetry files in directory d:\inetpub\ftproot\fuse that were opened 50 hours or more in the past. The telemetry files to be deleted will have a name that indicates what time (down to microseconds) they were opened in DOY-HH-MM-SS.mmm.uuu.rec format, such as:

   300-03-43-58.608.557.rec

c. The WDISC Desktop Developer informs the customer or the customer's representative of the completion of the update.

d. An alternative procedure is for the WDISC Desktop Developer to email the file update information (add new mission or delete old mission data) to the WDISC DBA for updating directly on the PTP's. The WSC DBA would then inform the WDISC Desktop Developer of completion of the update.

5.2 Removal of Obsolete/Test MOC Desktops

5.2.1 Purpose

This procedure describes the method for removing obsolete/test MOC desktops.

5.2.2 Participants

a. WDISC:
   1. SERB.
   2. Desktop Developer.

b. Project MOC.

c. WSC DBA.

5.2.3 Procedure

5.2.3.1 Notification to MOC

Prior to removing project desktops that have been determined to be obsolete from the PTPs, the WDISC SERB/Desktop Developer notifies the Project MOC via e-mail with a list of desktops slated for removal. See Figure 5-1 for request message.

5.2.3.2 Deletion of Desktops and Notification

Upon receipt of Project MOC response to remove desktops, the WDISC Desktop Developer moves the old files to the Obsolete folder and notifies via e-mail, the WDISC SERB and WSC DBA. The WSC DBA removes any NCCDS reference to obsolete desktops.

Memo to MOC

Date:
To: Project MOC
From: WDISC SERB, WDISC Desktop Developer
Subject: Removal of Obsolete WDISC Desktops

The following desktops have been determined to be no longer required for operations and therefore are obsolete. Please review the listed desktops and respond using the form below to concur or not concur.

1.

2.

3.

4.

MOC Response:

Date:
To: WDISC SERB, WDISC Desktop Developer
From: (Project) MOC
Subject: Concurrence/Non concurrence to obsolete WDISC Desktops

The following desktops have been reviewed and are marked for removal or retention.

	Desktop	Remove	Retain
1.			
2.			
3.			
4.			

Figure 5-1. Notification of Obsolete Desktop Removal and Response Memo

5.3 Creating Log-on Account to the Monitor NT

5.3.1 Purpose

This procedure details the steps taken to create an account to log onto the Monitor NT.

5.3.2 Participant

WDISC Administrator.

5.3.3 Procedure

5.3.3.1 Creating a Log-on Account for Monitor NT

The following steps are taken to create a log-on account:

a. Log on as an administrator.
b. To create an account, bring up User Manager display.
c. Create New User.
d. Fill out information blanks on display.
e. Put information into “pa” group by clicking on Groups button and select “pa”.

5.4 Termination of Customer Support

5.4.1 Purpose

This procedure details the steps taken for termination of WDISC Customer Support.

5.4.2 Participants

a. WDISC SERB.

b. WDISC Desktop Developer.

c. Project MOC.

d. WDISC Desktop Tester.

e. WSC DBA.

5.4.3 Procedure

Upon termination of WDISC support, the WDISC SERB also notifies via e-mail, the WDISC Desktop Developer that desktop files can be removed from WDISC PTPs. The WDISC SERB also notifies, via e-mail, the WSC DBA that mapping tables can be removed. The WDISC Desktop Tester notifies the Project MOC of the removals.

5.5 Periodic Desktop Verification Procedure

5.5.1 Purpose

This procedure provides a method of verifying that all desktops required to be present on the WDISC computers are present and have the same contents as the Master desktop set.

5.5.2 Participants

WDISC Operator.

5.5.3 Procedure

5.5.3.1 General

The verification process is performed by maintaining a Master set of desktops and periodically capturing and comparing it against the working desktop set from each WDISC computer. This is accomplished using a batch file that produces an analysis file showing any differences between the Master and Operational desktops. An operator/analyst must then restore any corrupted files from the Master desktop set.

5.5.3.2 Batch File Preparation

a. If the following files are present then bypass procedure in paragraph 5.5.3.3.

   1. Create a file named “MD5_record_all.bat” containing entries from section 5.5.3.5a.

   2. Create a file named “MD5_set_reference_all.bat” containing entries from section 5.5.3.5b.

   3. Create a file named “MD5_compare_all.bat” containing entries from section 5.5.3.5c.

5.5.3.3 Database Capture Procedure

a. Use the Radmin program to connect to the WSGTPTP1 WDISC computer.

b. Select the “c:\ptp_user\desktops” folder and use the Winzip application to place a copy of the desktops (DTP extension) into a file called WSGTPTP1_yymmdd.zip (where yy = year, mm = month, and dd = day).

c. Perform steps 5.5.3.3a and 5.5.3.3.b for WSGTPTP2 through WSGTPTP4 and STGTPTP1 through STGTPTP4.

d. Move the zip files to the PC on which the desktop verification procedure will be performed.

5.5.3.4 Verification Procedure

a. Place/Verify that program “Md5sums.exe” is in the root directory (C:\).

b. Create a folder path called “C:\Ptp_work\WSC\WDISC\OfficialDesktops\WSGTptp1\”.

NOTE

If the folder is present, place the previous zip file into the “Obsolete” folder and delete all of the desktop (DTP) files.

c. Place the WSGTPTP1_yymmdd.zip file into this folder and unzip all of the desktops.

d. Perform steps 5.5.3.4a and 5.5.3.4b for WSGTPTP2 through WSGTPTP4 and STGTPTP1 through STGTPTP4.

NOTE

Omit steps 5.5.3.4e and 5.5.3.4f if the current Master desktops are already resident.

e. Create folder paths called **“**C:\Ptp_work\WSC\WDISC\OfficialDesktops\ptp1**”** and **“**C:\Ptp_work\WSC\WDISC\OfficialDesktops\ptp2**”.**

f. Copy the Master ptp1 and ptp2 desktops into their respective folders.

g. Desktop file evaluation

1. If this IS an initial configuration:

(a) Run the “MD5_record_all.bat” file.

This file generates a set of CRC values for all master and captured desktop data files.

(b) Run the “MD5_set_reference_all.bat” file.

This file copies the recorded desktop data files for use as a baseline reference during the comparison process.

(c) Run the “MD5_compare_all.bat” file.

This file compares all master and captured desktop data files against the reference data CRC values.

2. If this is NOT an initial configuration:

(a) Run the “MD5_set_reference_all.bat” file.

This copies previously recorded desktop data files for use as a baseline reference during the comparison process.

(b) Run the “MD5_record_all.bat” file.

This file generates a new set of CRC values for all master and captured desktop data files.

(c) Run the “MD5_compare_all.bat” file.

This file compares all master and captured desktop data files against the reference data CRC values.

3. Display information contained in the Diff_WDISC_xxx.txt files using a text editor (double clicking on the txt file). See reference paragraph 5.4.3.5d for the display structure and interpretation.

4. If no anomalies are noted then the verification process is complete.

5.5.3.5 Reference: Batch File Contents

This reference section contains listings for the creation of the three batch files.

a. MD5_record_all.bat

```
@echo off


c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\PTP1\*.dtp |findstr
/V “Type Copy MD5 – C:” |sort > Md5sums_Master_PTP1.md5

c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\PTP2\*.dtp |findstr
/V “Type Copy MD5 – C:” |sort > Md5sums_Master_PTP2.md5


c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\STGTptp1\*.dtp
|findstr /V “Type Copy MD5 – C:” |sort >  Md5sums_STGT_PTP1.md5

c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\STGTptp2\*.dtp
|findstr /V “Type Copy MD5 – C:” |sort >  Md5sums_STGT_PTP2.md5


c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\STGTptp3\*.dtp
|findstr /V “Type Copy MD5 – C:” |sort >  Md5sums_STGT_PTP3.md5

c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\STGTptp4\*.dtp
|findstr /V “Type Copy MD5 – C:” |sort >  Md5sums_STGT_PTP4.md5


c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\WSGTptp1\*.dtp
|findstr /V “Type Copy MD5 – C:” |sort >  Md5sums_WSGT_PTP1.md5

c:\Md5sums.exe  C:\Ptp_work\WSC\WDISC\OfficialDesktops\WSGTptp2\*.dtp
|findstr /V “Type Copy MD5 – C:” |sort >  Md5sums_WSGT_PTP2.md5
```

c:\Md5sums.exe C:\Ptp_work\WSC\WDISC\OfficialDesktops\WSGTptp3*.dtp |findstr /V “Type Copy MD5 – C:” |sort > Md5sums_WSGT_PTP3.md5

c:\Md5sums.exe C:\Ptp_work\WSC\WDISC\OfficialDesktops\WSGTptp4*.dtp |findstr /V “Type Copy MD5 – C:” |sort > Md5sums_WSGT_PTP4.md5

b. **MD5_set_reference_all.bat**

@echo off

xcopy /Y Md5sums_Master_PTP1.md5 Md5_Reference_Master_PTP1.md5

xcopy /Y Md5sums_Master_PTP2.md5 Md5_Reference_Master_PTP2.md5

xcopy /Y Md5sums_STGT_PTP1.md5 Md5_Reference_STGT_PTP1.md5

xcopy /Y Md5sums_STGT_PTP2.md5 Md5_Reference_STGT_PTP2.md5

xcopy /Y Md5sums_STGT_PTP3.md5 Md5_Reference_STGT_PTP3.md5

xcopy /Y Md5sums_STGT_PTP4.md5 Md5_Reference_STGT_PTP4.md5

xcopy /Y Md5sums_WSGT_PTP1.md5 Md5_Reference_WSGT_PTP1.md5

xcopy /Y Md5sums_WSGT_PTP2.md5 Md5_Reference_WSGT_PTP2.md5

xcopy /Y Md5sums_WSGT_PTP3.md5 Md5_Reference_WSGT_PTP3.md5

xcopy /Y Md5sums_WSGT_PTP4.md5 Md5_Reference_WSGT_PTP4.md5

c. **MD5_compare_all.bat**

@echo off

fc Md5sums_Master_PTP1.md5 Md5_Reference_Master_PTP1.md5 > FcompareDiffMd5_Master_PTP1.txt

fc Md5sums_Master_PTP2.md5 Md5_Reference_Master_PTP2.md5 > FcompareDiffMd5_Master_PTP2.txt

fc Md5sums_STGT_PTP1.md5 Md5_Reference_STGT_PTP1.md5 > FcompareDiffMd5_STGT_PTP1.txt

fc Md5sums_STGT_PTP2.md5 Md5_Reference_STGT_PTP2.md5 > FcompareDiffMd5_STGT_PTP2.txt

fc Md5sums_STGT_PTP3.md5 Md5_Reference_STGT_PTP3.md5 > FcompareDiffMd5_STGT_PTP3.txt

fc Md5sums_STGT_PTP4.md5 Md5_Reference_STGT_PTP4.md5 > FcompareDiffMd5_STGT_PTP4.txt

fc Md5sums_WSGT_PTP1.md5 Md5_Reference_WSGT_PTP1.md5 > FcompareDiffMd5_WSGT_PTP1.txt

fc Md5sums_WSGT_PTP2.md5 Md5_Reference_WSGT_PTP2.md5 > FcompareDiffMd5_WSGT_PTP2.txt

fc Md5sums_WSGT_PTP3.md5 Md5_Reference_WSGT_PTP3.md5 > FcompareDiffMd5_WSGT_PTP3.txt

fc Md5sums_WSGT_PTP4.md5 Md5_Reference_WSGT_PTP4.md5 > FcompareDiffMd5_WSGT_PTP4.txt

d. **Comparison recording in Diff_WDISC_xxx.txt files**

1. Difference example:

```
Comparing files Md5sums_Master_PTP1.md5 and MD5_REFERENCE_STGT_PTP1.MD5
***** Md5sums_Master_PTP1.md5
cnof2PB.DTP                    f0fe7ba05262b2287236956edcb5ca45
EO1Bbd1.dtp                    1f94a276fe04495b66b39fa55e1aab82
***** MD5_REFERENCE_STGT_PTP1.MD5
cnof2PB.DTP                    f0fe7ba05262b2287236956edcb5ca45
cnofstest.dtp                 fe3f3f59d9848b218b5a1f88721feb3f
EO1Bbd1.dtp                    1f94a276fe04495b66b39fa55e1aab82
*****
```

2. Content mismatch:

   (a) The file comparison utility program (fc.exe) shows at least the last entry that matched between the two MD5 data files and the next line that again matches between the two.

   (b) If other lines are present between the two, such as the cnofstest.dtp line, then a difference exists between the directory contents. In this

case there is an extra file in the reference STGT PTP1 file that is not present in the Master PTP1 file.

(c) If the file had been present in both directories but one had been modified then the same desktop name would have been seen but a difference would be present in the CRC value (long number).

(d) At this point an investigation of which desktop is in error should begin.

Appendix A. Abbreviations and Acronyms

Acronym	Definition
BM	Briefing Message
CMD	Command
CNOFS	Communications/Navigation Outage Forecasting System
CTV	Compatibility Test Van
DBA	Data Base Administrator
DBCN	Data Base Change Notice
DBCR	Data Base Change Request
DMR	Detailed Mission Requirements
EO-1	Earth Orbiter–1
E-T-E	End–to-End
FTP	File Transfer Protocol
FUSE	Far Ultraviolet Spectroscopic Explorer
GALEX	Galaxy Evolution Explorer
GP-B	Gravity Probe-B
GSFC	Goddard Space Flight Center
ICD	Interface Control Document
IONET	IP Operational Network
IP	Internet Protocol
IPDU	Internet Protocol Data Unit
LDB	Long Duration Balloon
LEO-T	Low Earth Orbit Terminal
LI	Local Interface
M&C	Monitor and Control
MCE	Mission Commitment Engineer
MCM	Mission Commitment Manager (GSFC)
MOC	Mission Operations Center
NASA	National Aeronautical and Space Administration
NCC	Network Control Center
NCCDS	Network Control Center Data System

Acronym	Definition
NIC	Network Integration Center
NISN	NASA Integrated Services Network
NMP	New Millennium Program
NRZ-L	Non-return to Zero-Level
NRZ-M	Non-return to Zero-Mark
PTP	Programmable Telemetry Processor
RFSOC	Radio Frequency Simulations Operations Center
R-S	Reed-Solomon
SERB	Sustaining Engineering Review Board
SIC	Support Identification Code
SN	Space Network
SORCE	Solar Radiation and Climate Experiment
SPSR	Service Planning Segment Replacement (WSC NCCDS)
SSC	Service Specification Codes
STGT	Second TDRSS Ground Terminal (WSC)
SUPIDEN	Support Identifier
TCP	Transmission Control Protocol
TIMED	Thermosphere Ionosphere Mesosphere Energetics and Dynamics
TLM	Telemetry
TOCC	TDRSS Operations Control Center (WSC)
UIFC	User Interface Code
ULDB	Ultra Long Duration Balloon
WSC	White Sands Complex
WDISC	WSC Transmission Control Protocol (TCP)/Internet Protocol (IP) Data Interface Service Capability (WDISC)
WFF	Wallops Flight Facility
WSGT	White Sands Ground Terminal (WSC)

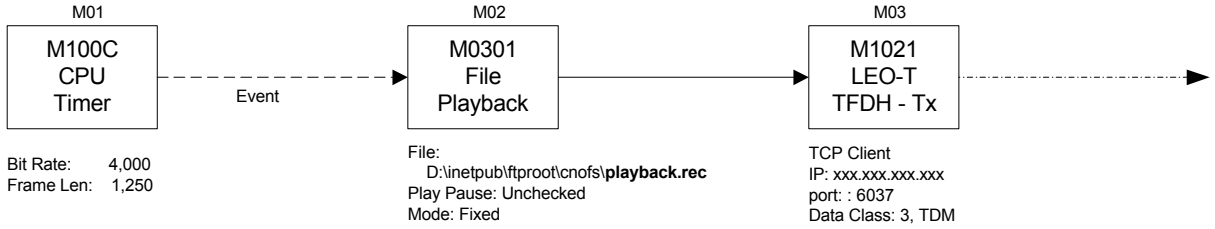
Appendix B. WDISC Desktop Configurations

B.1 Customer Desktop Configurations

Appendix B contains the following customer desktop configurations:

a. Communications/Navigation Outage Forecasting System (CNOFS).
b. New Millennium Program Earth Orbiter –1 (NMP/EO-1).
c. Far Ultraviolet Spectroscopic Explorer (FUSE).
d. Galaxy Evolution Explorer (GALEX).
e. Gravity Probe-B (GP-B).
f. Landsat-7.
g. Long Duration Balloon (LDB).
h. Solar Radiation and Climate Experiment (SORCE).
i. Swift.
j. Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED).
k. Ultra Long Duration Balloon (ULDB).
l. Generic Playback.

Figure B-1. Communications/Navigation Outage Forecasting System Desktop



Notes:

Manual playback procedure:
1. Copy the recorded file (<timestamp>.rec) and rename the copied file to playback.rec
2. Load the CNOFpb desktop.
3. Enable the desktop (all streams) when the MOCC is ready to receive playback data.

CNOFS Playback Desktop
SUPIDEN: xxxx, IONET: OPEN
Drawing: dtW_CNOFSpb.vsd Desktop Name: CNOFpb.DTP

040505

Figure B-2. Communications/Navigation Outage Forecasting System Playback Desktop

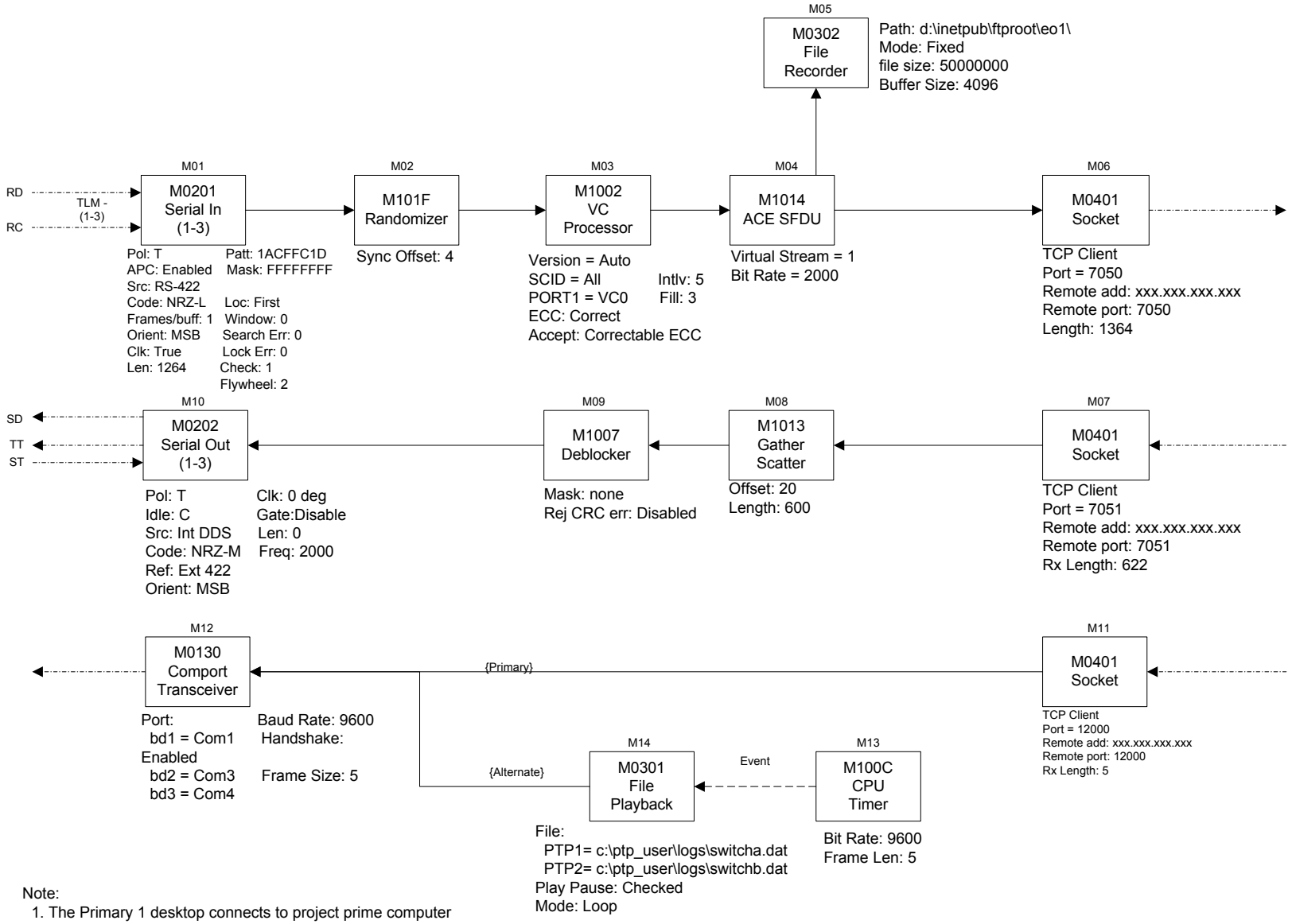
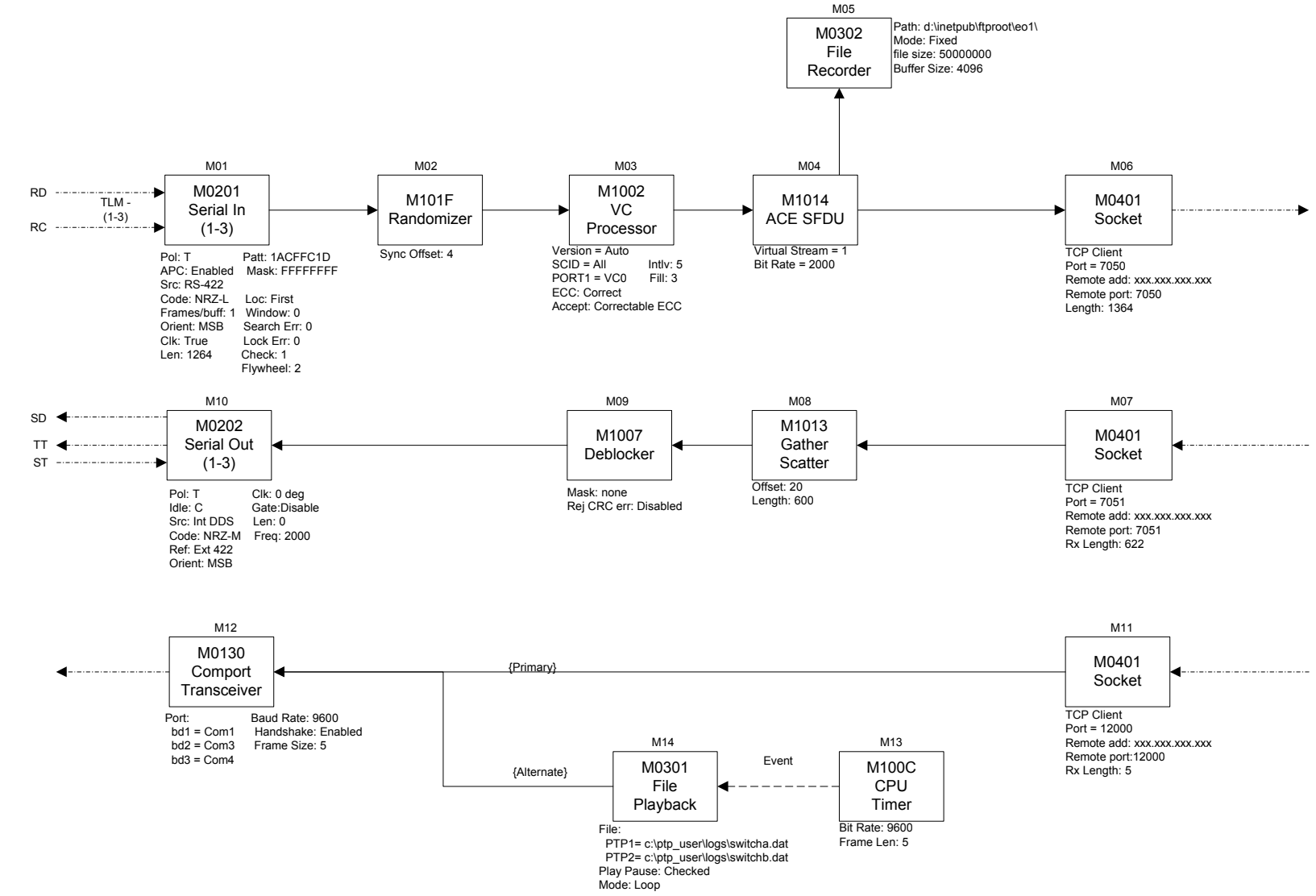


Figure B-3. Earth Orbiter 1 (EO1) Primary 1 Desktop



Note:
1. The Primary 2 desktop connects to project backup computer systems on the Open IONet.
2. The Backup desktop connects to project systems on the Closed IONet.

Earth Orbiter 1 (EO1) Primary 2 Desktop

99-148
(99-078)

SUPIDEN: 8601, IONET: OPEN
Drawing: dtW_EO1_Primary2.vsd
020926

Desktop Name: EO1P2bd1.DTP, EO1P2bd2.DTP, EO1P2bd3.DTP

Figure B-4. Earth Orbiter 1 (EO1) Primary 2 Desktop

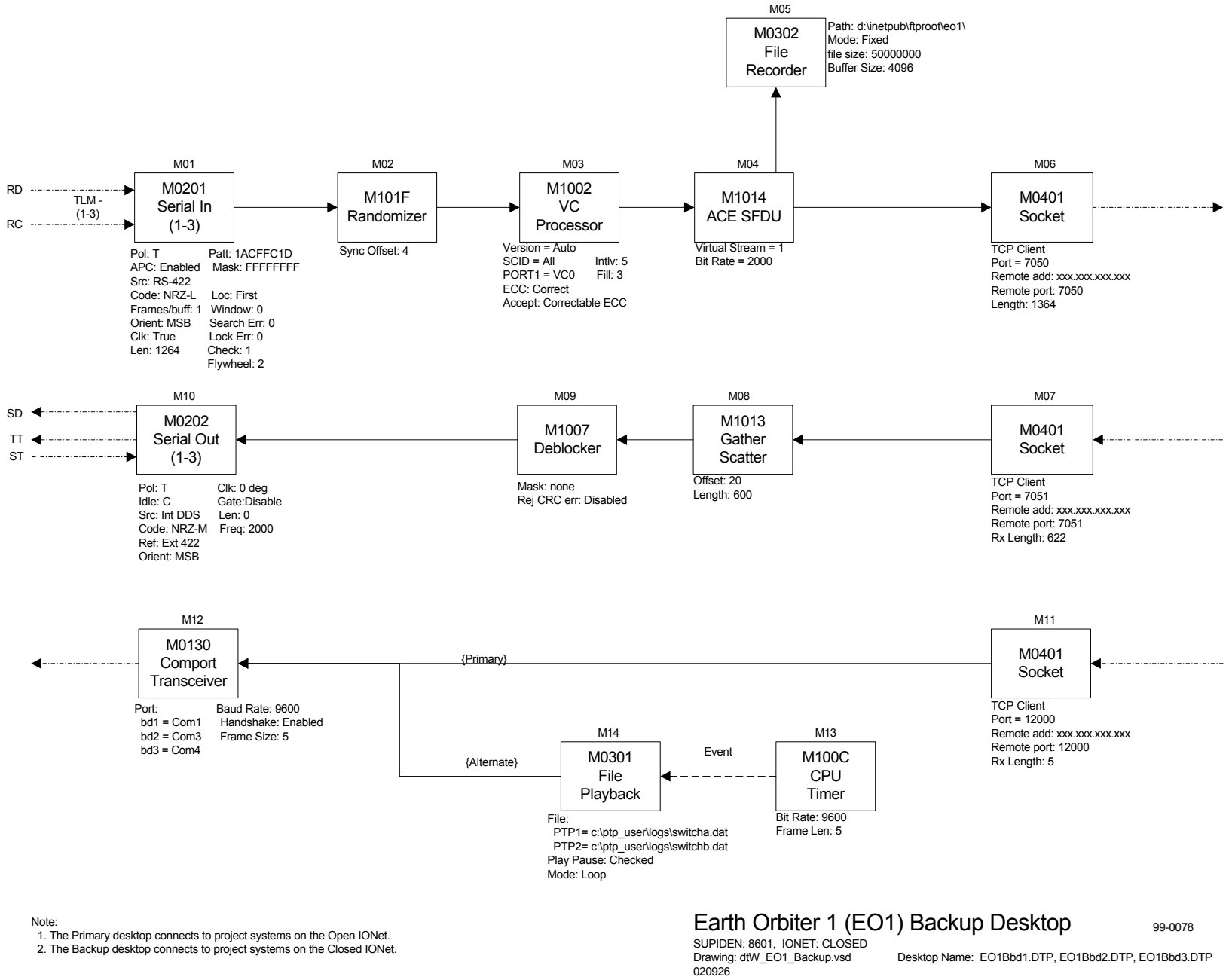
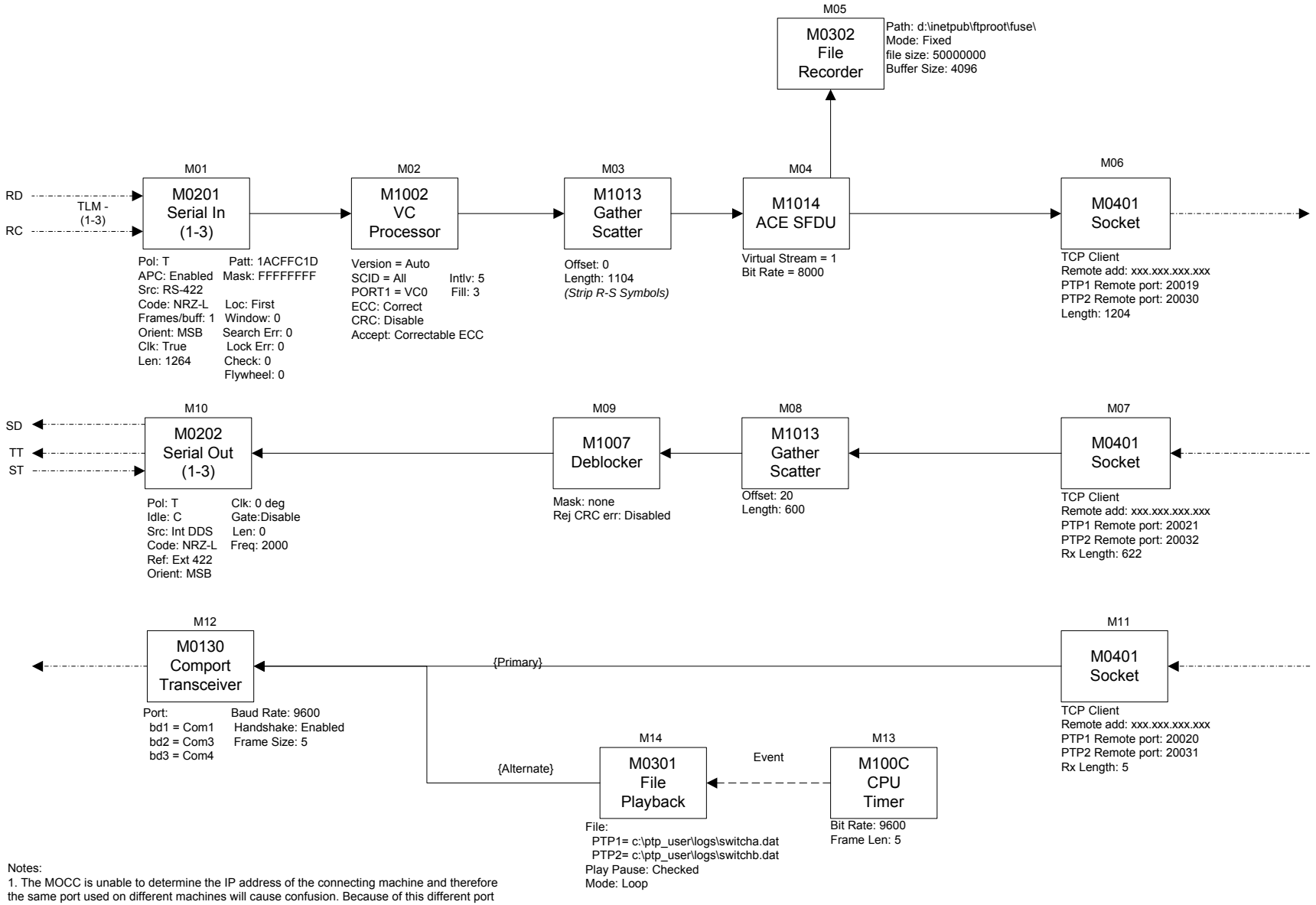


Figure B-5. Earth Orbiter 1 (EO1) Backup Desktop



Notes:
1. The MOCC is unable to determine the IP address of the connecting machine and therefore the same port used on different machines will cause confusion. Because of this different port numbers have been used on PTP1 and PTP2.

2. Because the scheduler currently loads the same desktop name onto PTP1 and PTP2, a different port configuration is used in PTP1 and PTP2, but, the desktops have the same name. Configuration control must ascertain that only PTP1 desktops are loaded on PTP1 and the same applies to PTP2.

FUSE Desktop (wdisc)
SUPIDEN= 5657, IONET: OPEN
Drawing: DtW_FUSE.vsd Desktop Name: FUSEbd1.DTP, FUSEbd2.DTP, FUSEbd3.DTP
020926

00-0012

Figure B-6. FUSE Desktop

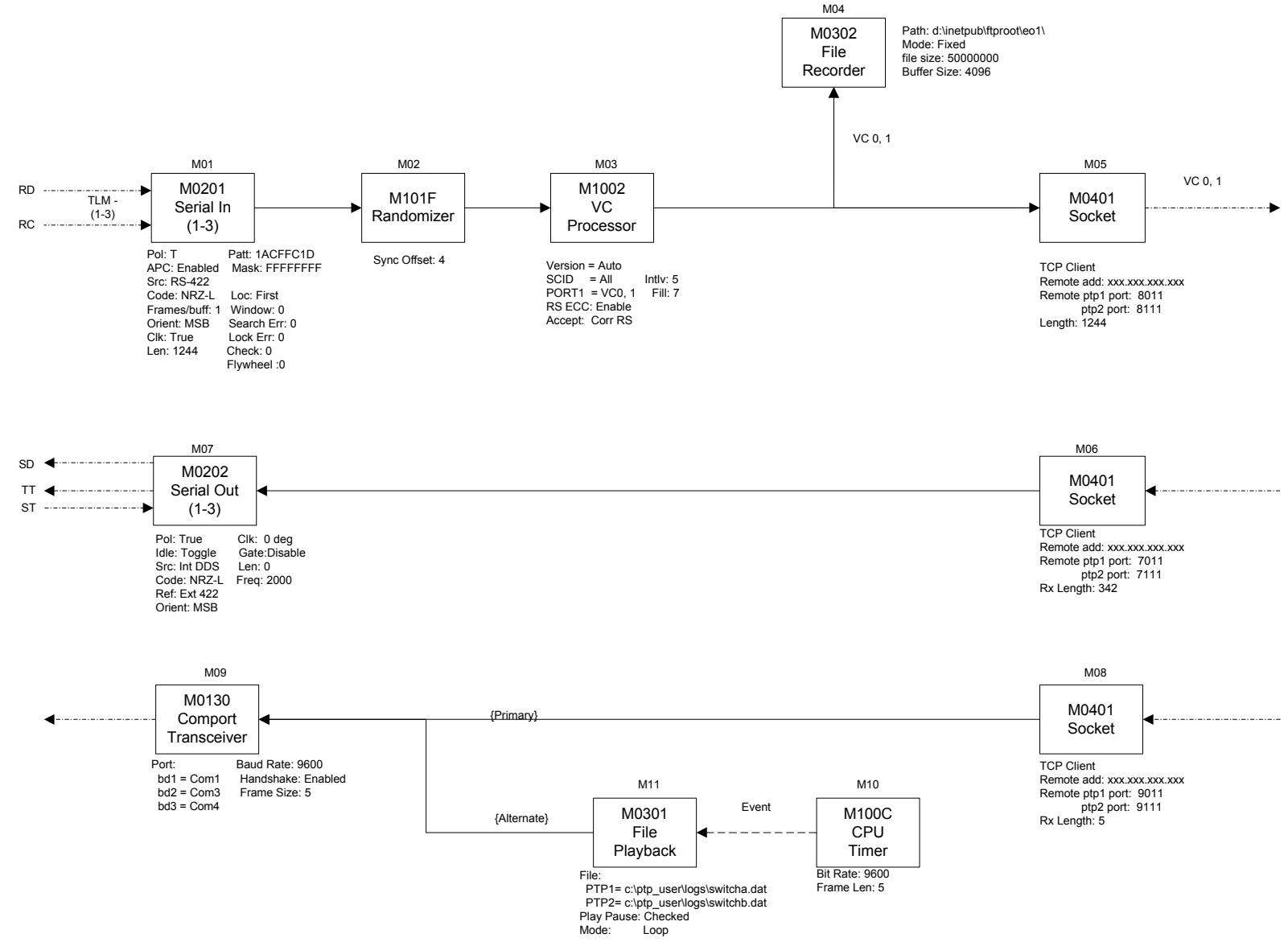


Figure B-7. GALEX Prime Desktop

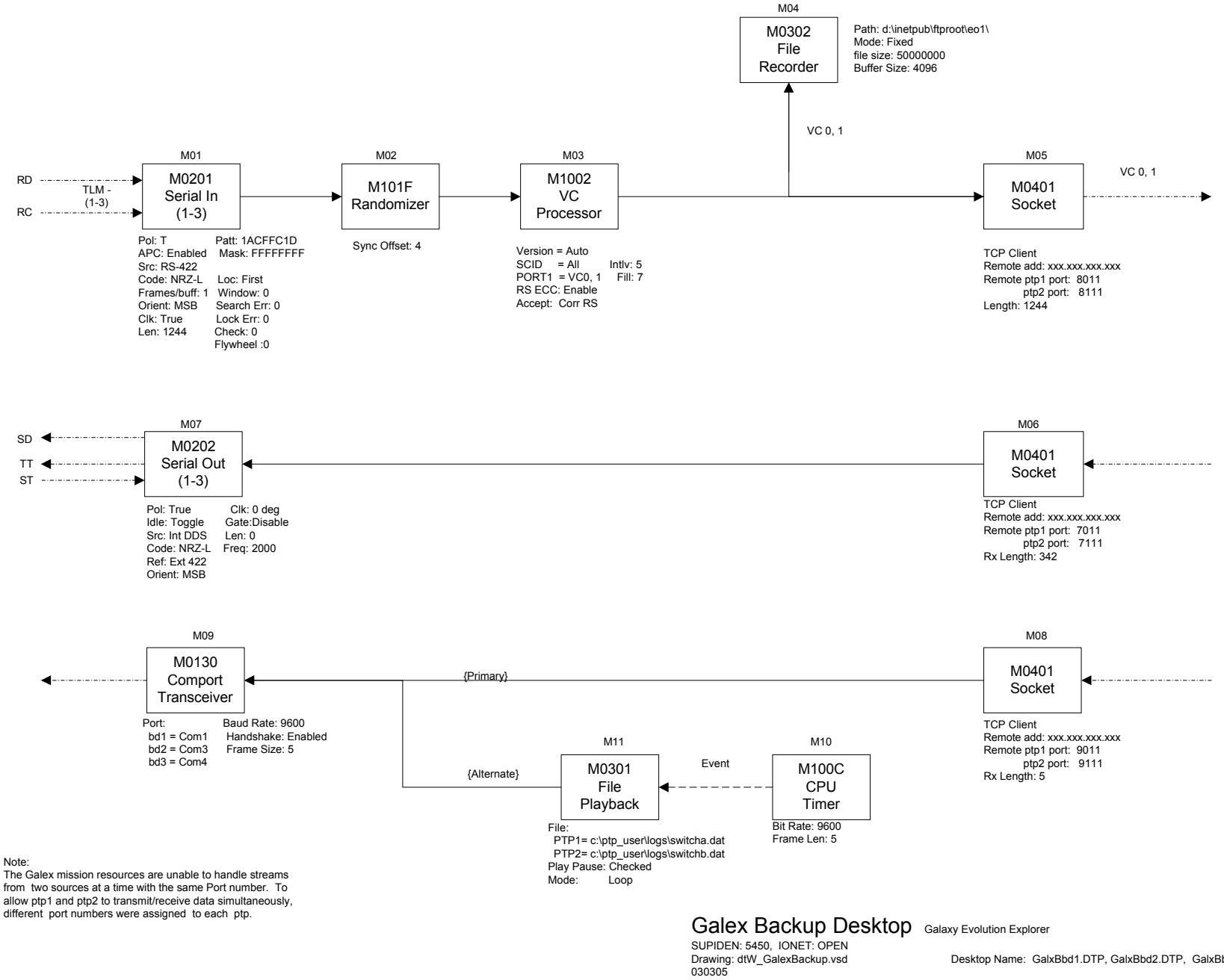


Figure B-8. GALEX Backup Desktop

Notes:

Manual playback procedure:
1. Copy the recorded file (<timestamp>.rec) and rename the copied file to playback.rec
2. Load the GalxPpb(1 or 2) or GalxBpb(1 or 2) desktop for playback to the Primary/Backup MOC from PTP 1 or 2.
3. Enable the desktop (all streams) when the MOCC is ready to receive playback data.

Galex Playback Desktop
SUPIDEN: 5450, IONET: OPEN
Drawing: dtW_GalexPB.vsd Desktop Name:
GalxPpb1.DTP, GalxBpb1.DTP
GalxPpb2.DTP, GalxBpb2.DTP

030203

Figure B-9. GALEX Playback Desktop

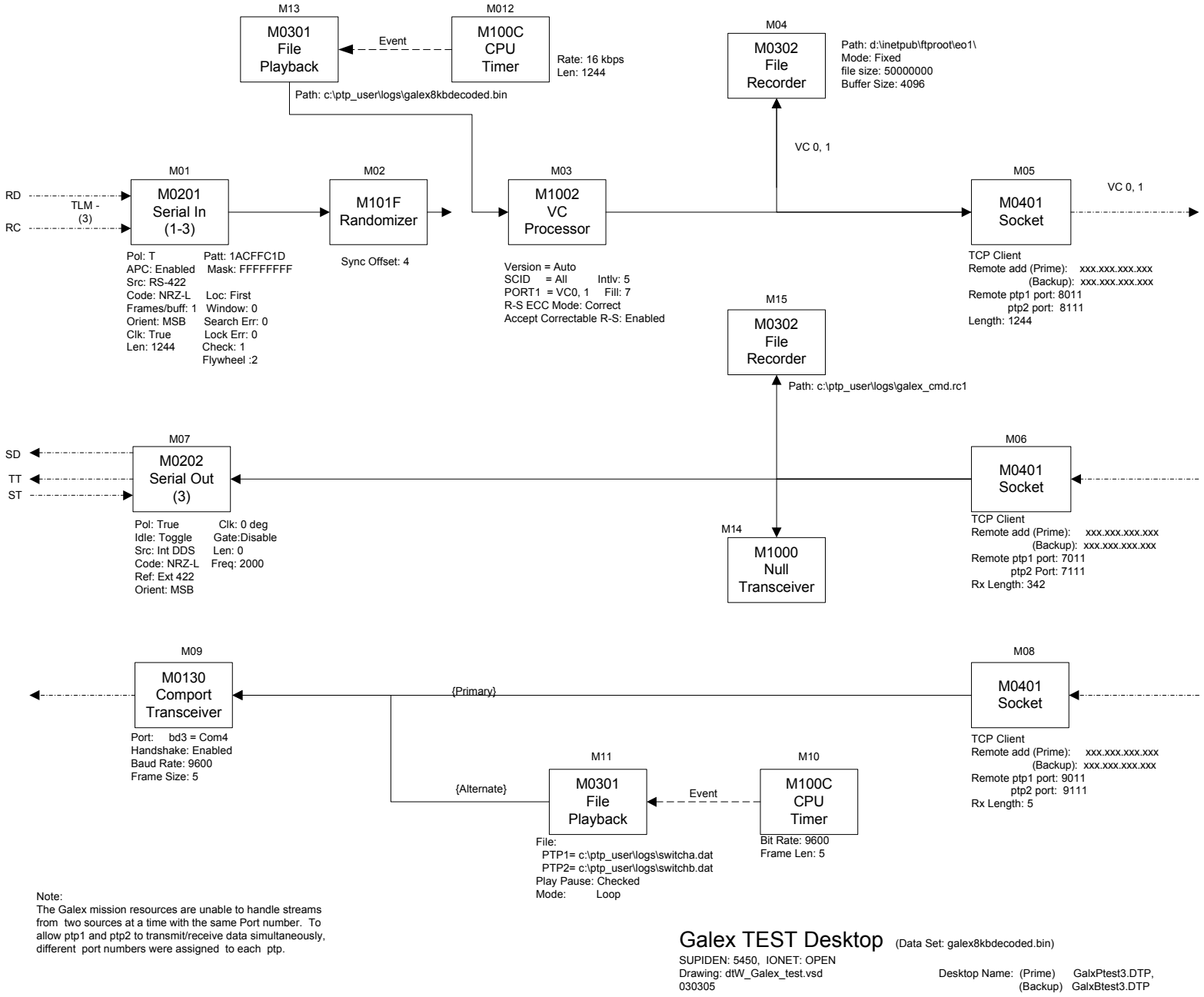


Figure B-10. GALEX Test Desktop

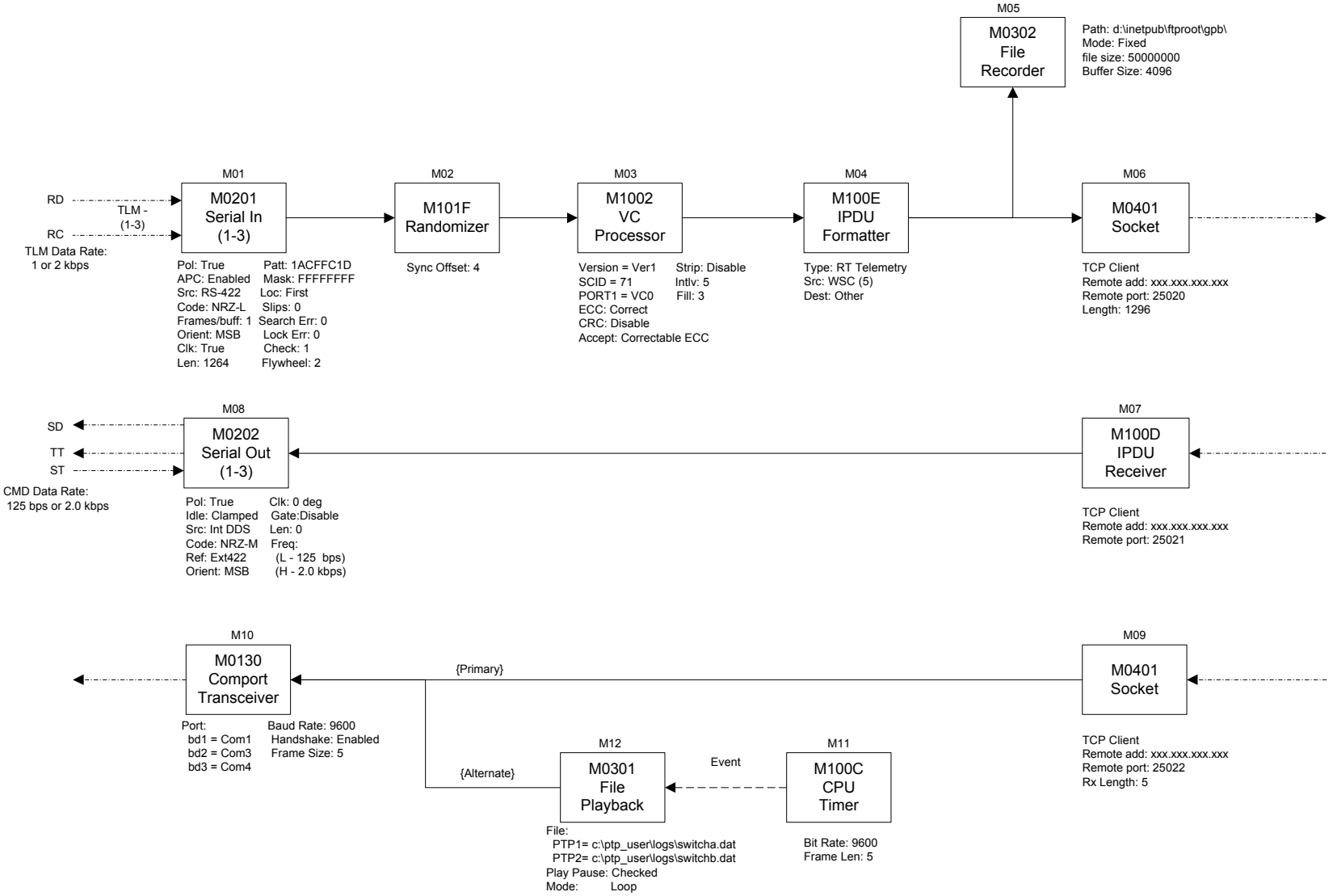
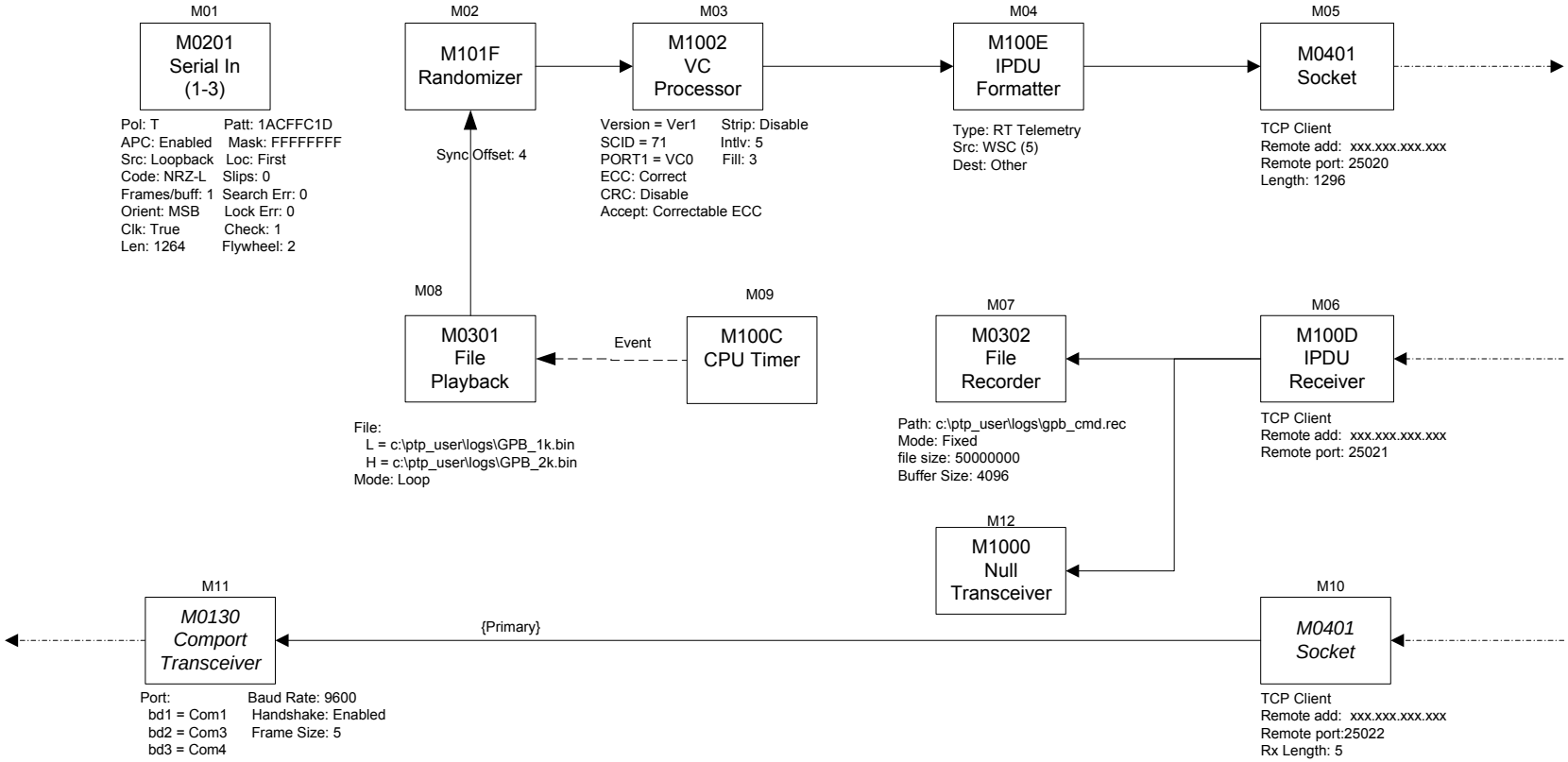


Figure B-11. Gravity Probe B Desktop



Note:
GP_B will have a Prime and Backup capability at their MOCC and a processing capability at the Integration and Testing Facility. To satisfy the missions flexability, 3 IP addresses are used.

GPBD = MOCC Prime	XXX.XXX.XXX.XXX
GPBE = MOCC Backup	XXX.XXX.XXX.XXX
GPBG = ITF	XXX.XXX.XXX.XXX

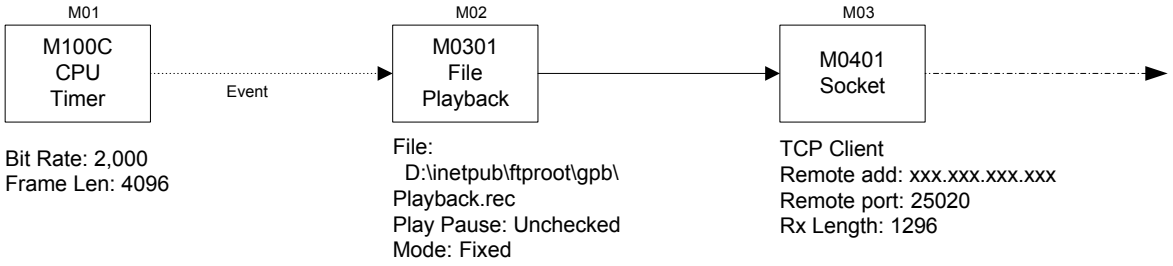
Gravity Probe B Test Desktops

SCID = xxxd| xxxo| xxh
Drawing: dtW_GPB_HL_test_DEG.vsd

Desktop Name: GPBH_test_D.dtp, GPBL_test_D.dtp, GPBH_test_E.dtp, GPBL_test_E.dtp, GPBH_test_G.dtp, GPBL_test_G.dtp

030324

Figure B-12. Gravity Probe B Test Desktop



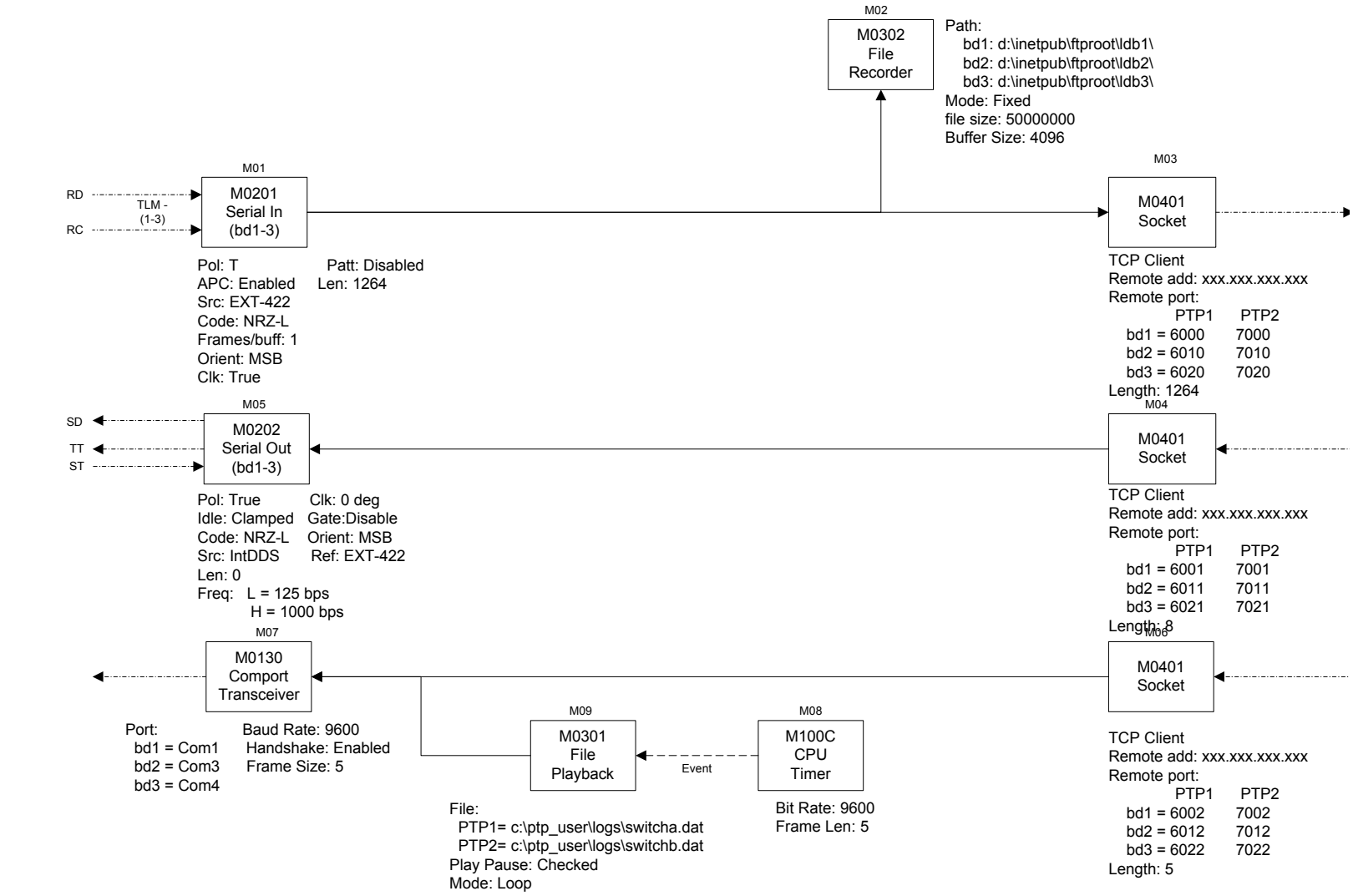
Notes:
GP_B will have a Prime and Backup capability at their MOCC and a processing capability at the Integration and Testing Facility.
To satisfy the mission's flexibility, 3 IP addresses are used.
GPBD = MOCC Prime XXX.XXX.XXX.XXX
GPBE = MOCC Backup XXX.XXX.XXX.XXX
GPBG = ITF XXX.XXX.XXX.XXX

Operating procedure:
1. Load the desktop (corresponding to the MOCC).
2. Copy the file name (Day-Hour-Minute-Second.milliseconds.microseconds.rec) to playback.rec.
3. Enable the desktop (all streams) when the MOCC is ready to receive playback data.

Gravity Probe B Playback Desktop
SUPIDEN: 8603, IONET: CLOSED
Drawing: dtW_GPBPB.vsd Desktop Name: GPBDpb.DTP, GPBEpb.DTP, GPBGpb.DTP

030324

Figure B-13. Gravity Probe B Playback Desktop



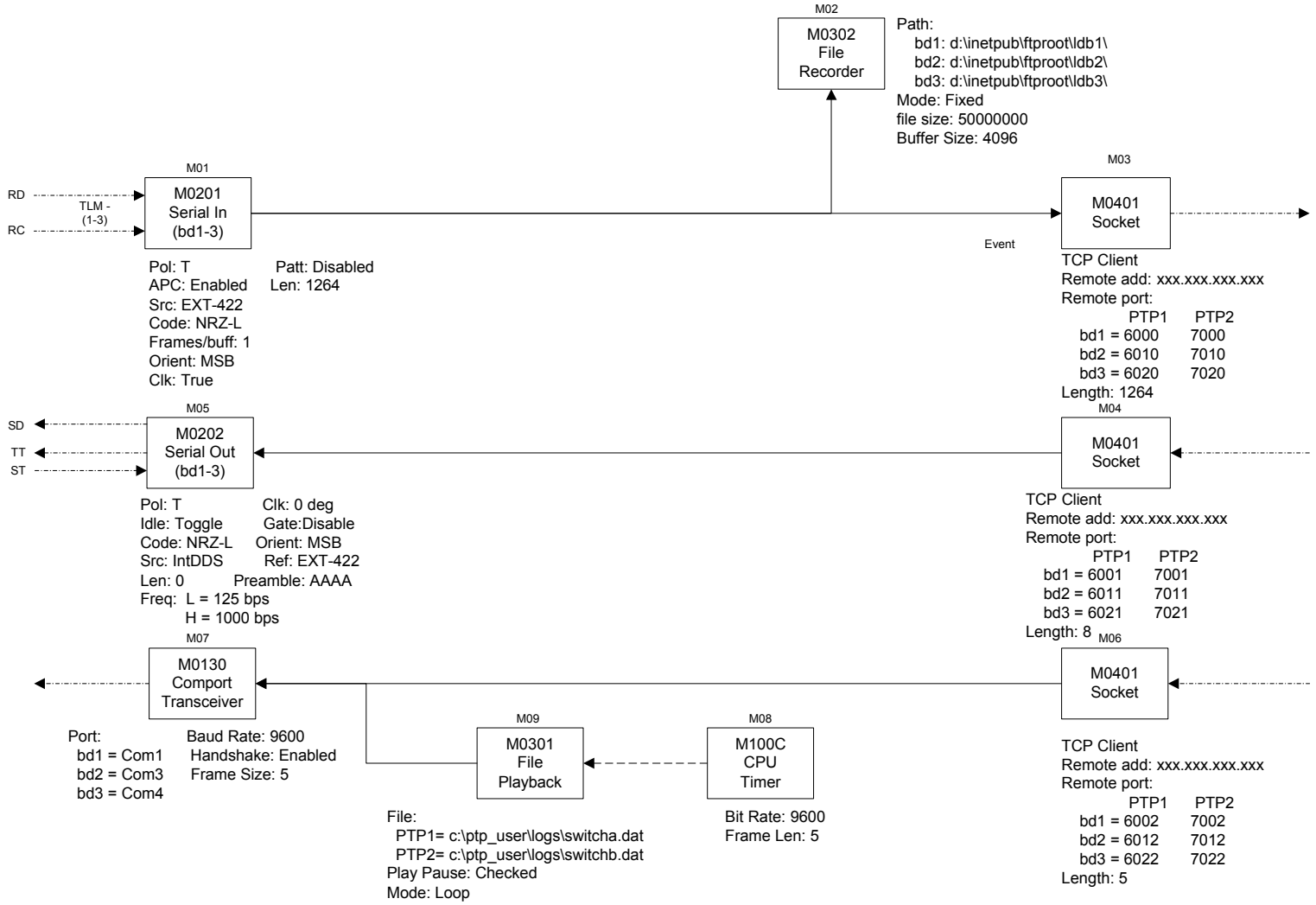
Notes:
1. Because up to three balloons could be serviced from a single WDISC computer, three separate port addresses may be needed to support the simultaneous balloons.
2. PTP1 and PTP2 have different port numbers to assist the MOC in differentiating data streams.

LDB (Primary) Desktop

SIC = 1501 - 1505
Drawing: dtW_LDB_P.vsd Desktop Name: LDBPbd1L.DTP, LDBPbd2L.DTP, LDBP
LDBPbd1H.DTP, LDBPbd2H.DTP, LDBI

020926

Figure B-14. Long Duration Balloon Primary Desktop



Notes:
1. Because up to three balloons could be serviced from a single WDISC computer, three separate port addresses may be needed to support the simultaneous balloons.
2. PTP1 and PTP2 have different port numbers to assist the MOC in differentiating data streams.

LDB (Backup) Desktop
SID = 1501 - 1505
Drawing: dtW_LDB_B.vsd
Desktop Name: LDBBbd1L.DTP, LDBBbd2L.DTP, LDBBbd3L.DTP
LDBBbd1H.DTP, LDBBbd2H.DTP, LDBBbd3H.DTP
020926

Figure B-15. Long Duration Balloon Backup Desktop

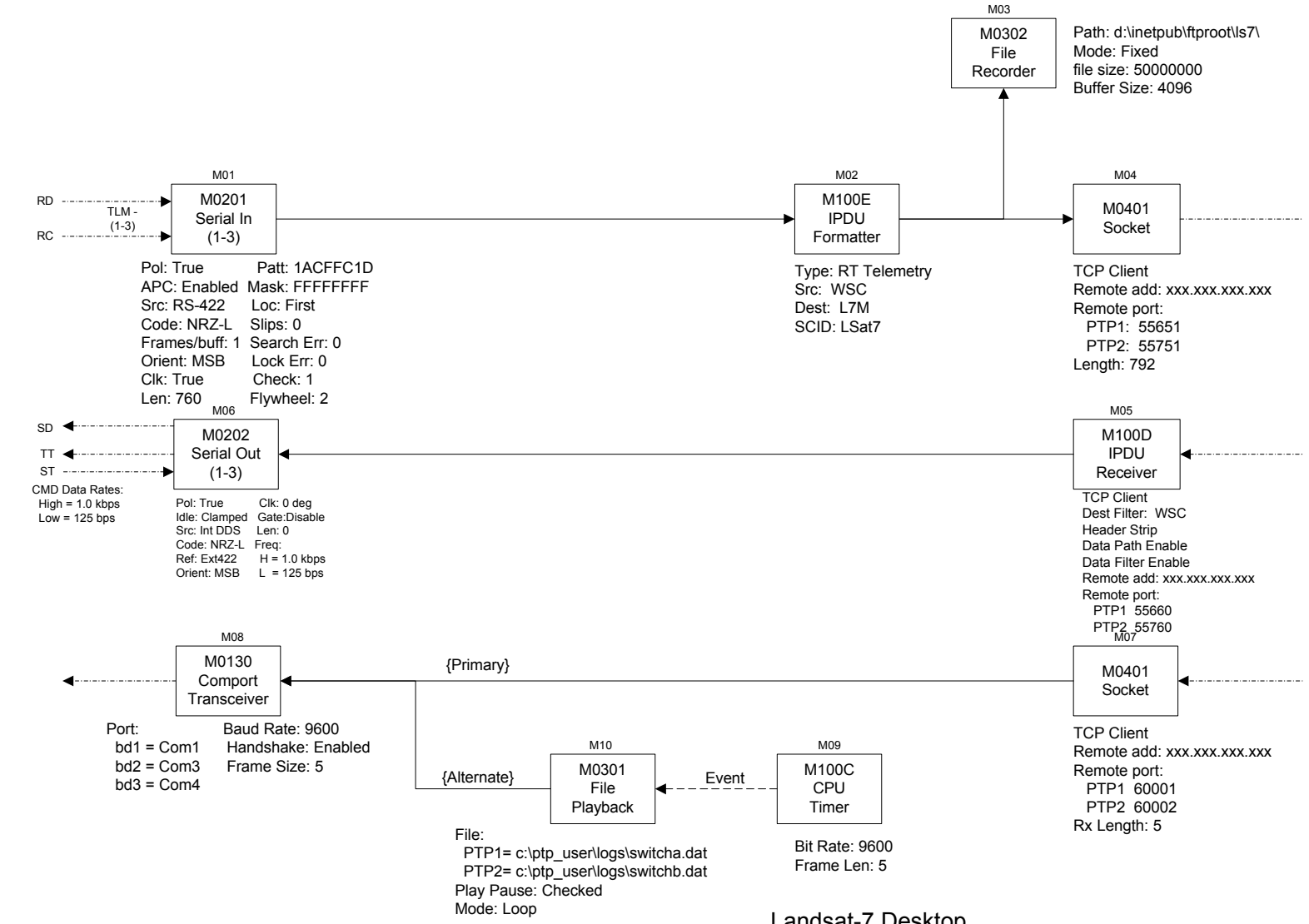


Figure B-16. Landsat-7 Desktop

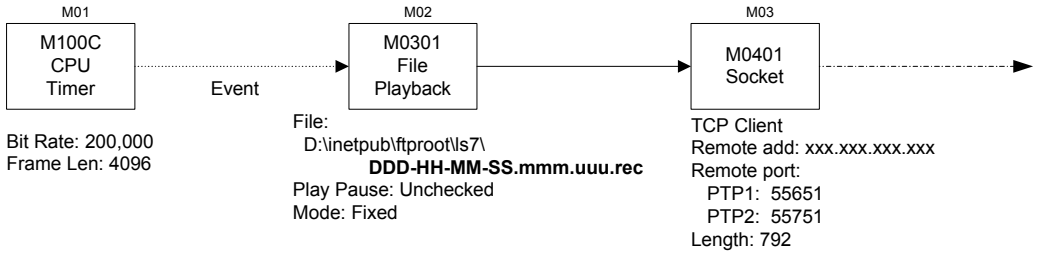
Locating & loading a file name for playback:

1. Start the PcAnywhere application.
2. Select: path "d:\inetpub\ftproot\ls7".
3. Single Click on the file name to be played back (highlights).
4. Hold down the 'ctrl' key and press the 'c' key (to copy the file name to the PTP clipboard).
5. Select the Copy clipboard button on the button bar.
6. Choose copy from the host to the local machine.
7. Switch to the local console display.
5. In the Playback module File window:
   a. Highlight the "DDD-HH-MM-SS.mmm.uuu.rec" characters
   b. With the pointer over the highlighted area, right mouse click and select paste.
   c. Select the 'Send' button

6a. Enable all streams to begin the playback (at project request).

6b. Alternatively:

a. Enable the socket module (M03) and verify that a socket connection is present.
b. Enable the M01 and M02 modules to begin data playback.




```
Notes:
Primary Control Center 1 IP Address: xxx.xxx.xxx.xxx
Primary Control Center 2 IP Address: xxx.xxx.xxx.xxx
Primary Control Center 3 IP Address: xxx.xxx.xxx.xxx
Primary Control Center 4 IP Address: xxx.xxx.xxx.xxx
Backup  Control Center   IP Address: xxx.xxx.xxx.xxx
```

Landsat-7 Playback Desktop

SCID = _7368WD

Drawing: dtW_LS7PB.vsd Desktop Name: `L7P1pb.DTP, L7P2pb.DTP, L7P3pb.DTP, L7P4pb.DTP, LS7Bpb.DTP`

`020926`

Figure B-17. Landsat-7 Playback Desktop

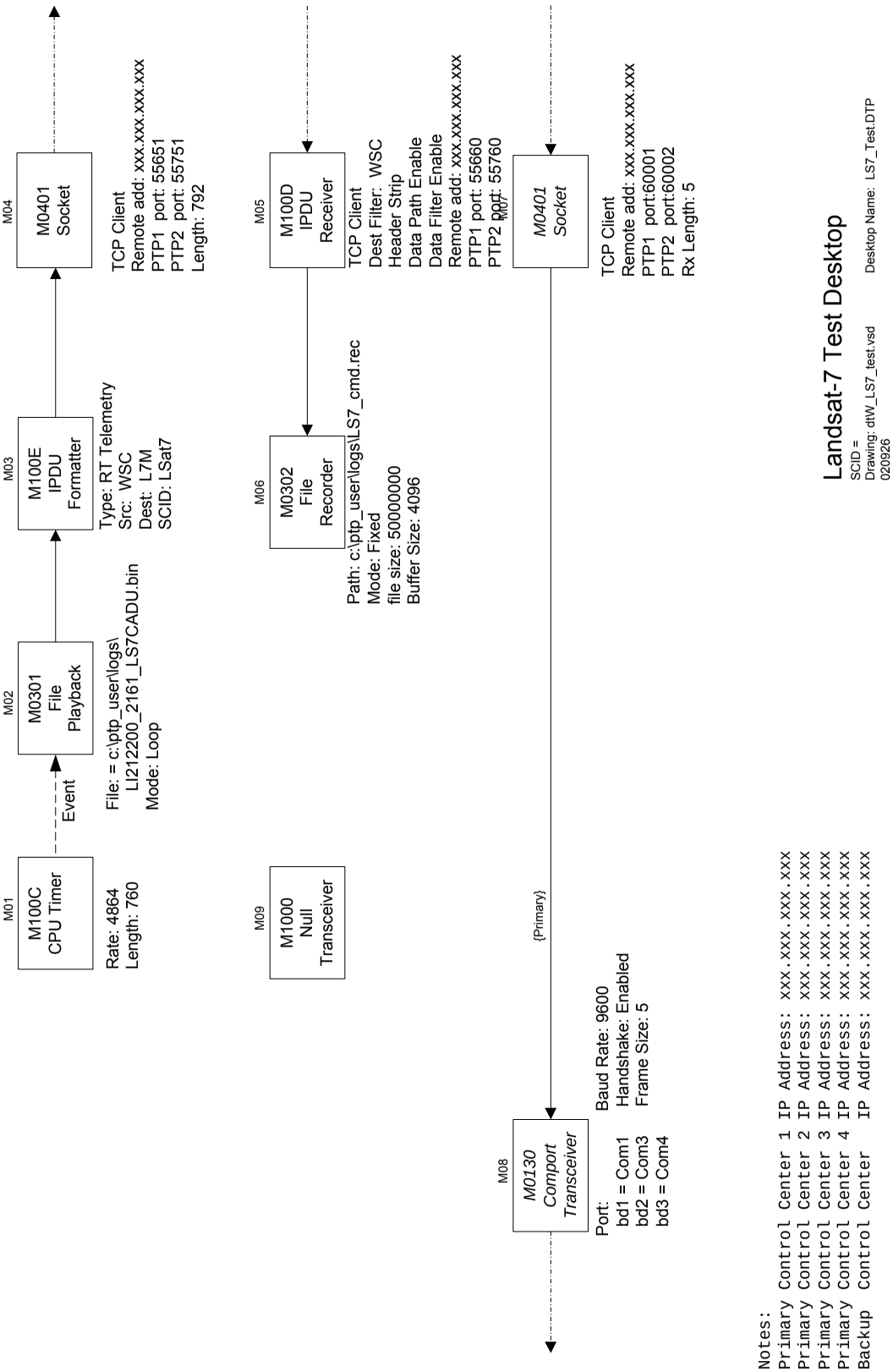


Figure B-18. Landsat-7 Test Desktop

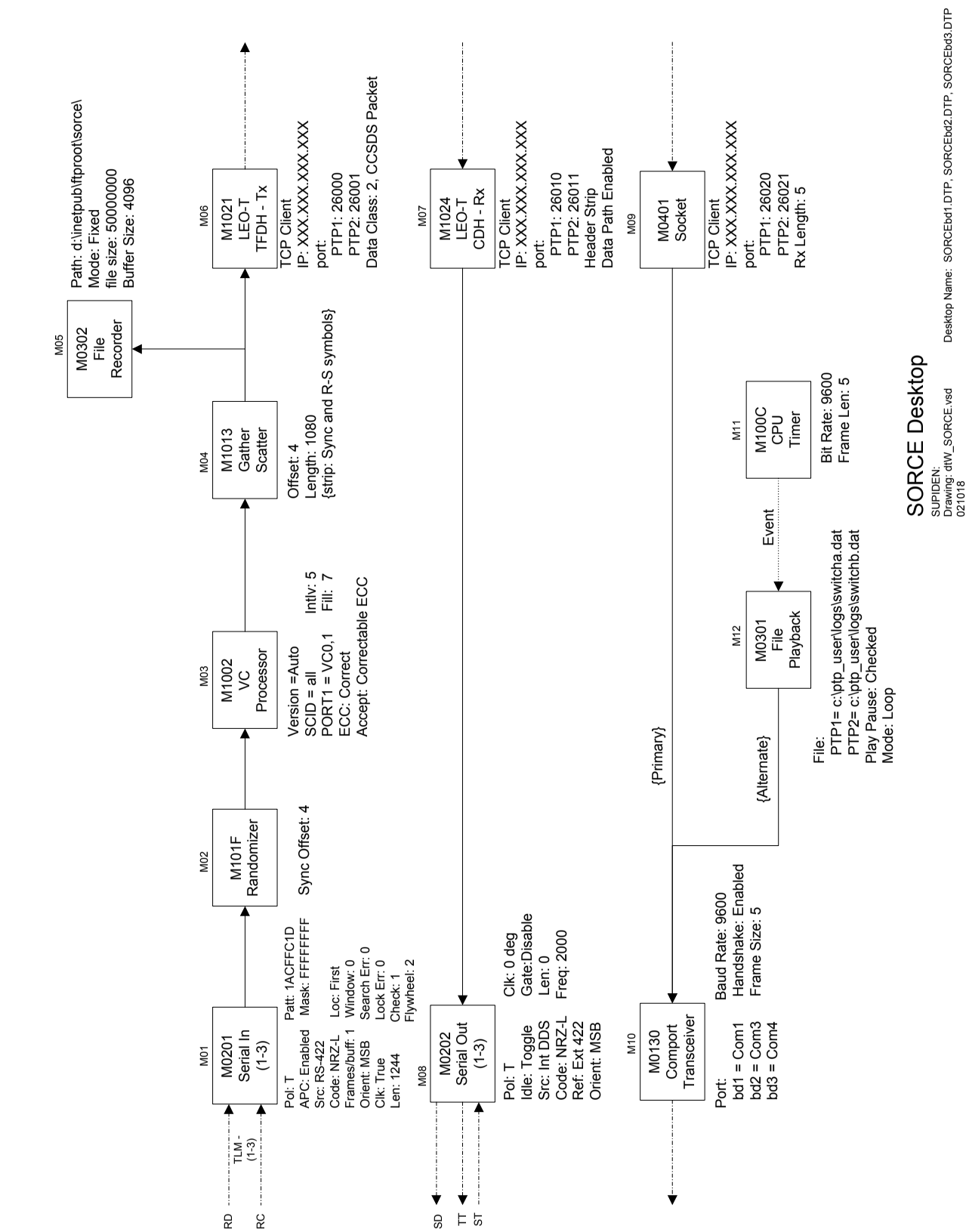
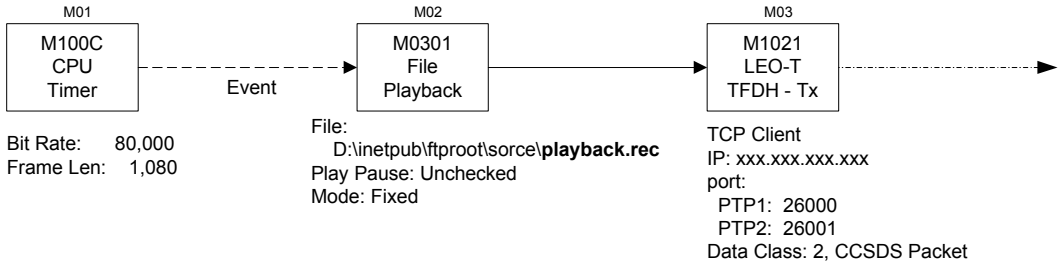


Figure B-19. SORCE Desktop

Locating & loading a file name for playback:
1. Start the PcAnywhere application.
2. Run the NTExplorer and select: path "d:\inetpub\ftproot\sorce".
3. Single Click on the file name to be played back (to highlight).
4. Hold down the 'ctrl' key and press the 'c' key (to copy the file name to the PTP clipboard).
5. Hold down the 'ctrl' key and press the 'v' key (to save a copy of the file).
6. Single Click twice on the 'copy of ...' file (to highlight).
7. Type 'playback.rec' over the file name to rename it.
8. Schedule a playback on the ptp containing the renamed data.



Notes:

Manual playback procedure:
1. Copy the recorded file (<timestamp>.rec) and rename the copied file to playback.rec
2. Load the SORCEpb desktop.
3. Enable the desktop (all streams) when the MOCC is ready to receive playback data.

SORCE Playback Desktop
SUPIDEN: xxxx, IONET: CLOSED
Drawing: dtW_SORCEpb.vsd Desktop Name: SORCEpb.DTP

030121

Figure B-20. SORCE Playback Desktop

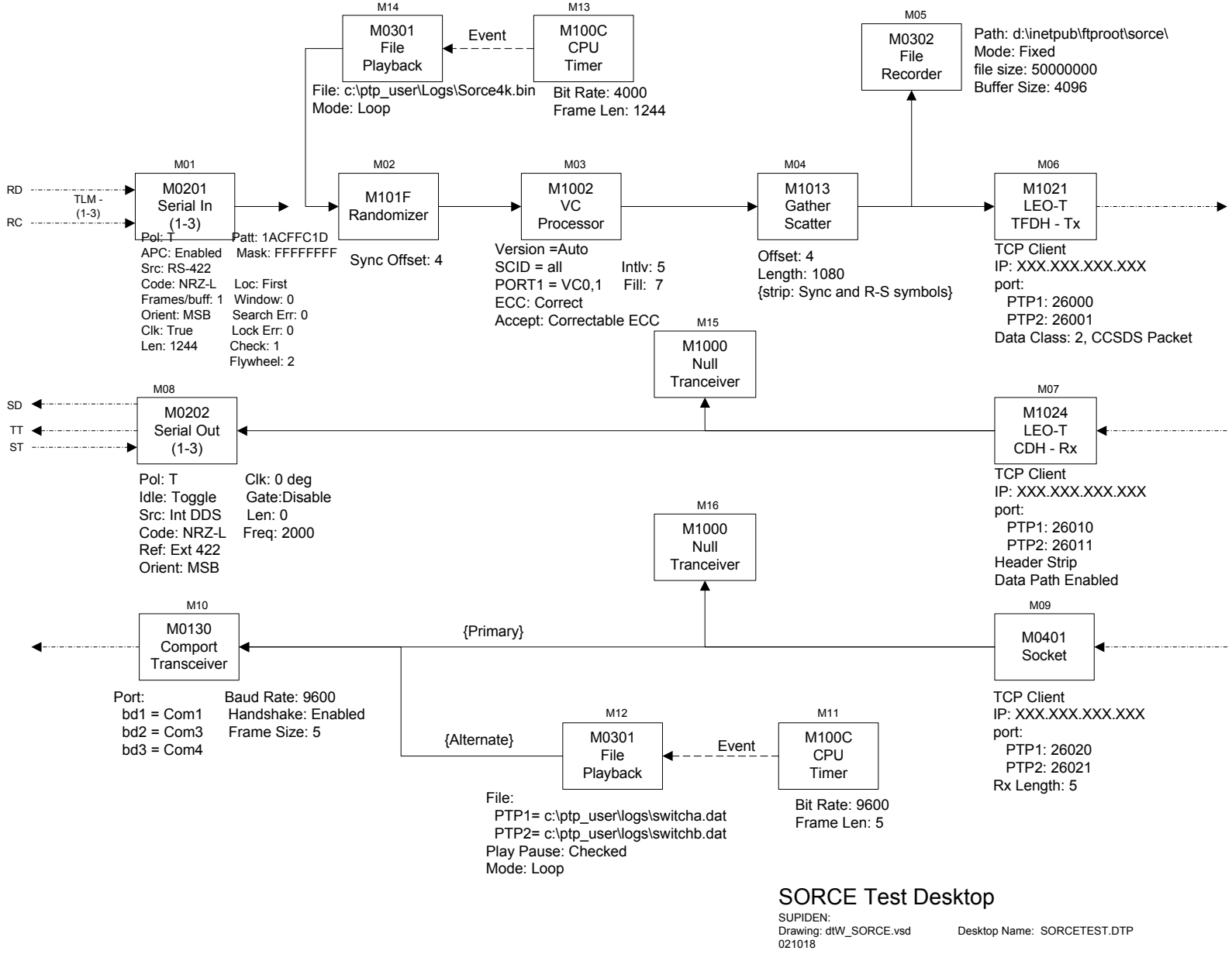


Figure B-21. SORCE Test Desktop

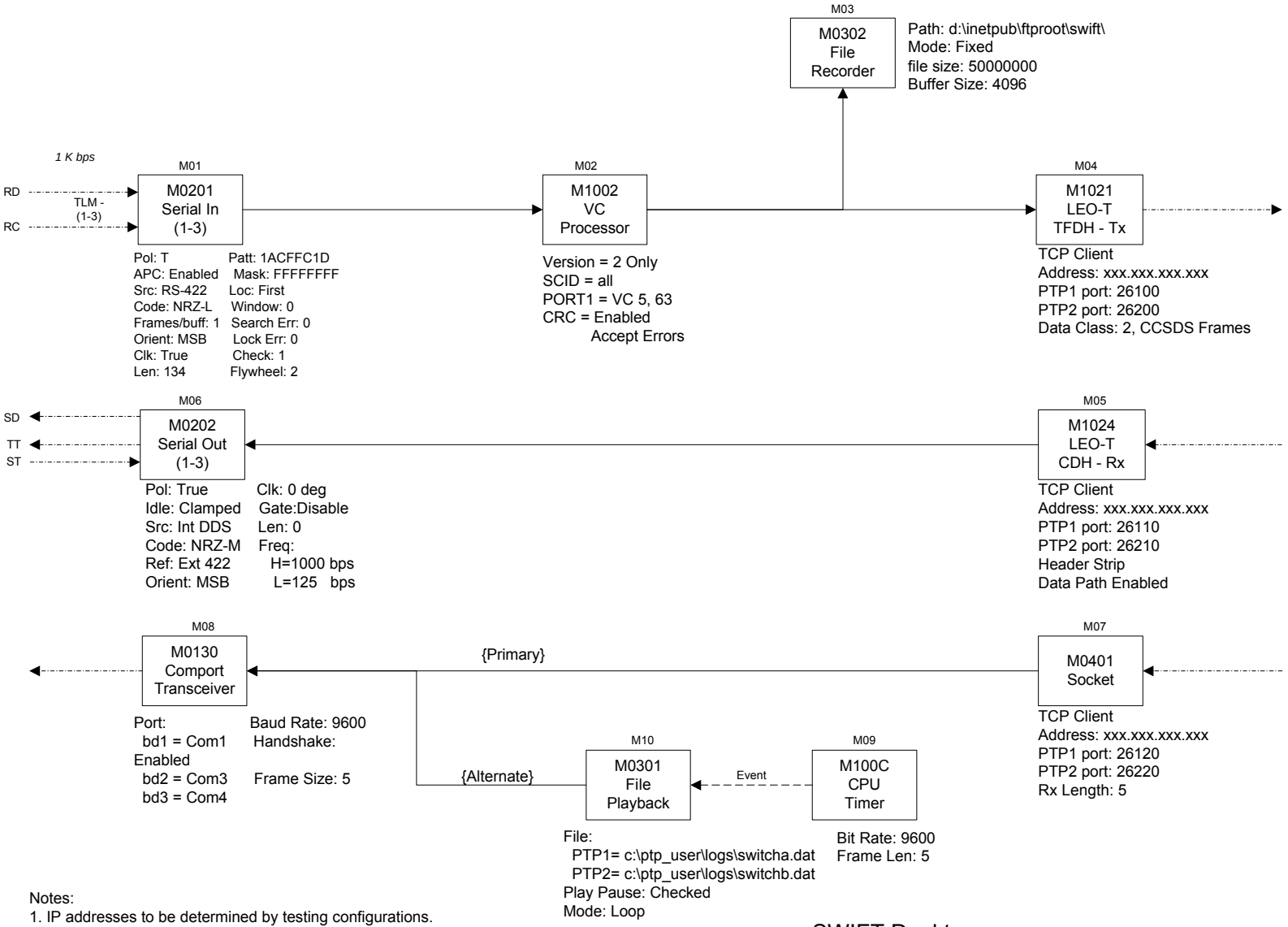
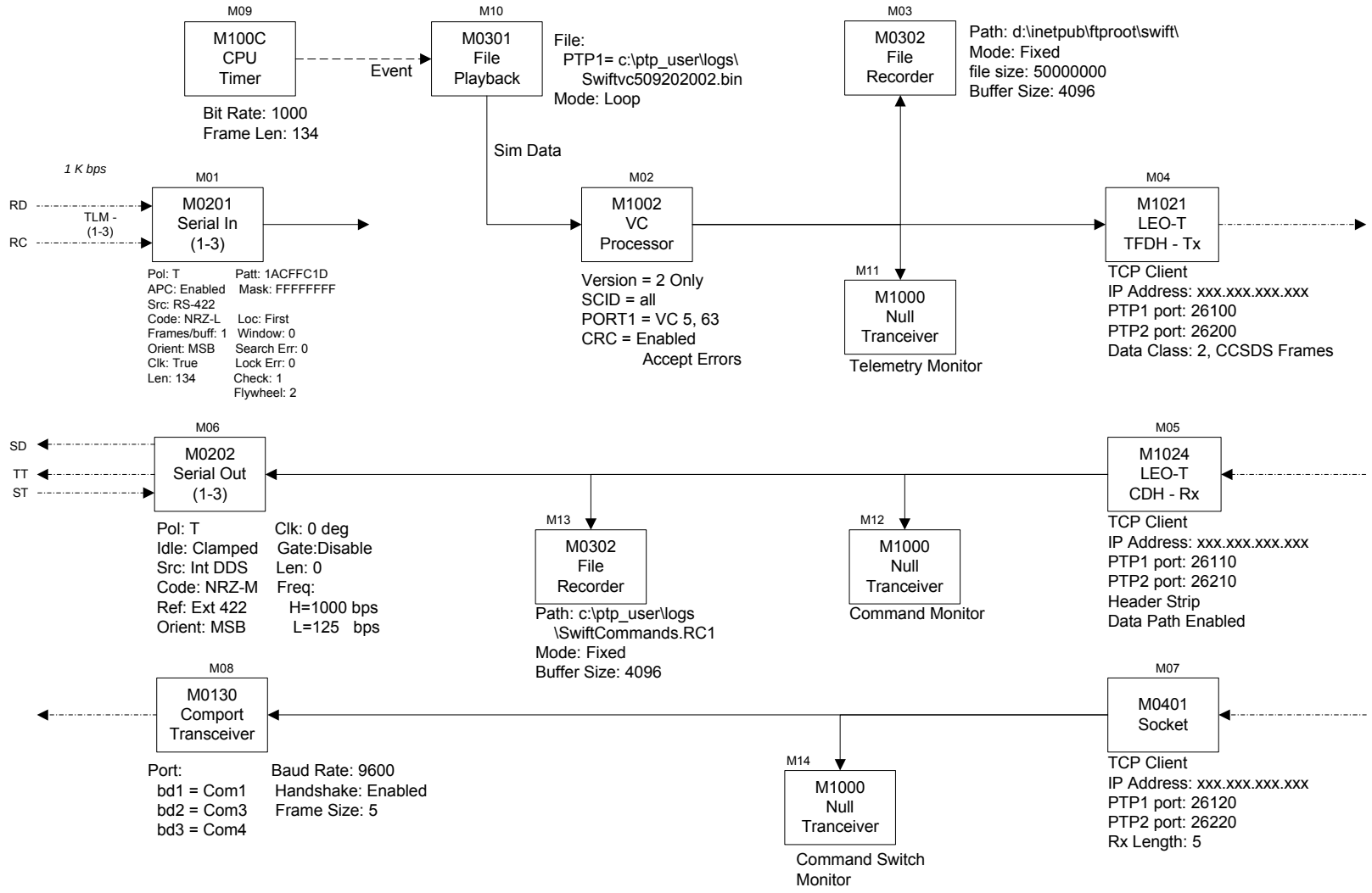


Figure B-22. Swift Desktop



Notes:
1. IP addresses to be determined by testing configurations. Final MOC addresses TBS
2. Port numbers different between the PTP1 and PTP2 to permit MOC data discrimination.

SWIFT Test Desktop
SUPIDEN: 1740 IONET: OPEN
Drawing: dtW_SWIFT_test.vsd Desktop Name: SWIFbd1H_test.DTP
020926

Figure B-23. Swift Test Desktop

Figure B-24. TIMED Desktop

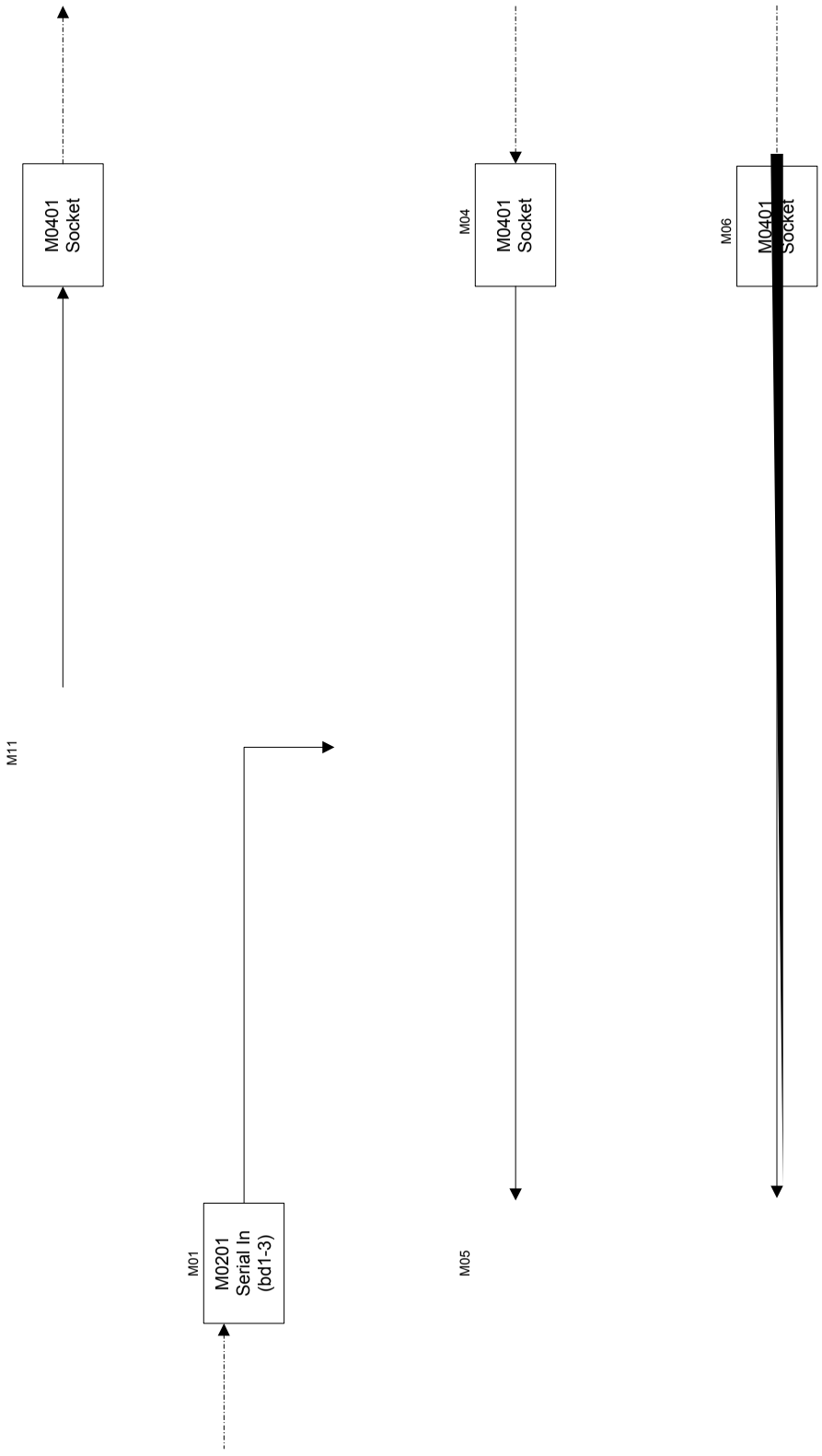


Figure B-25. Ultra Long Duration Balloon Desktop

Locating & loading a file name for playback:

1. Use the PcAnywhere application to connect to the PTP containing the data file (WCPTP1/2, SCPTP1/2)
2. Select: path "d:\inetpub\ftproot\gpb"
3. Single Click on the file name to be played back (highlights)
4. Hold down the 'ctrl' key and press the 'c' key (to copy the file name)
5. In the Playback module File window:
   a. Highlight the "DDD-HH-MM-SS.mmm.uuu.rec" characters
   b. Hold down the 'ctrl' key and press the 'v' key (to paste the file name)
   c. Select the 'Send' button
6. Enable all streams to begin the playback (at project request)

Playback Desktop
SUPIDEN
Drawing: dtW_xxxx.vsd Desktop Name: xxxxpb.DTP

Figure B-27. Generic Playback Desktop

Appendix C. Customer Data Sheets

C.1

This appendix contains data sheets for the following WDISC customers:

a. Communications/Navigation Outage Forecasting System (CNOFS).

b. New Millennium Program Earth Orbiter –1 (NMP/EO-1).

c. Far Ultraviolet Spectroscopic Explorer (FUSE).

d. Galaxy Evolution Explorer (GALEX).

e. Gravity Probe-B (GP-B).

f. Landsat-7.

g. Long Duration Balloon (LDB).

h. Solar Radiation and Climate Experiment (SORCE).

i. Swift.

j. Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED).

k. Ultra Long Duration Balloon (ULDB).

CNOFS Board 1, 2, 3

Prime, Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGTF WD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
D0058WD	Prime	CNOF1bd1.dtp	CNOF2bd1.dtp		B01		MAR - Non Coho				20000	P (W55)	P (W69)	
D0058WD	Prime	CNOF1bd2.dtp	CNOF2bd2.dtp		B02		MAR - Non Coho				20000	Q (W56)	Q (W79)	
D0058WD	Prime	CNOF1bd3.dtp	CNOF2bd3.dtp		B03		MAR - Non Coho				20000	R (W57	R (W80)	
D0058WD	Prime	CNOF1bd1.dtp	CNOF2bd1.dtp		I01		SSAR - Non Coho				20000	P (W55)	P (W69)	
D0058WD	Prime	CNOF1bd2.dtp	CNOF2bd2.dtp		I02		SSAR - Non Coho				20000	Q (W56)	Q (W79)	
D0058WD	Prime	CNOF1bd3.dtp	CNOF2bd3.dtp		I03		SSAR - Non Coho				20000	R (W57	R (W80)	

EO-1 Board 1, 2, 3

Prime 1 - Open IONet; Prime 2 – Backup on Open IONet; Backup - on Closed IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A8601WD	EO-1 Prime 1	EO1P1bd1.DTP	EO1P1bd1.DTP	H01	I01 I04	T01 T04	SSA – I01, T01 Non Coho SSA – I04, T04 Coho	2000	J (W30)	J (W40)	2000	P (W55)	P (W69)	SUPIDEN A8601WD the MOC's prime system - Open-IONet connection.
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP	H01	I11 I14	T11 T14	SSA – I11, T14 Non Coho SSA – I14, T14 Coho	2000	J (W30)	J (W40)	4000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP	H01	I21 I24	T21 T24	SSA – I21, T21 Non Coho SSA – T21, T24 Coho	2000	J (W30)	J (W40)	6000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP	H01	I31 I34	T31 T34	SSA – I31, T31 Non Coho SSA – I34, T34 Coho	2000	J (W30)	J (W40)	8000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP	H01				2000	J (W30)	J (W40)				Forward only.
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP	H02	I02 I05	T02 T05	SSA – I02, T02 Non Coho SSA – I05, T05 Coho	2000	K (W31)	K (W41)	2000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP	H02	I12 I15	T12 T15	SSA – I12, T12 Non Coho SSA – I15, T15 Coho	2000	K (W31)	K (W41)	4000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP	H02	I22 I25	T22 T25	SSA – I22, T22 Non Coho SSA – I25, T25 Coho	2000	K (W31)	K (W41)	6000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP	H02	I32 I35	T32 T35	SSA – I32, T32 Non Coho SSA – I35, T35 Coho	2000	K (W31)	K (W41)	8000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP	H02				2000	K (W31)	K (W41)				Forward only
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP	H03	I03 I06	T03 T06	SSA – I03, T03 Non Coho SSA – I06, T06 Coho	2000	L (W32)	L (W42)	2000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP	H03	I13 I16	T13 T16	SSA – I13, T13 Non Coho SSA – I16, T16 Coho	2000	L (W32)	L (W42)	4000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP	H03	I23 I26	T23 T26	SSA – I23, I26 Non Coho SSA – I26, T26 Coho	2000	L (W32)	L (W42)	6000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP	H03	I33 I36	T33 T36	SSA – I33, T33 Non Coho SSA – I36, T36 Coho	2000	L (W32)	L (W42)	8000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP	H03				2000	L (W32)	L (W42)				Forward only
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP		I01	T01	SSA – I01, T01 Non Coho				2000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP		I02	T02	SSA – I02, T02 Non Coho				2000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP		I03	T03	SSA – I03, T03 Non Coho				2000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP		I11	T11	SSA – I11, T11 Non Coho				4000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP		I12	T12	SSA – I12, T12 Non Coho				4000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP		I13	T13	SSA – I13, T13 Non Coho				4000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP		I21	T21	SSA – I21, T21 Non Coho				6000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP		I22	T22	SSA – I22, T22 Non Coho				6000	Q (W56)	Q (W79)	
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP		I23	T23	SSA – I23, T23 Non Coho				6000	R (W57)	R (W80)	
A8601WD	Prime-1	EO1P1bd1.DTP	EO1P1bd1.DTP		I31	T31	SSA – I31, T31 Non Coho				8000	P (W55)	P (W69)	
A8601WD	Prime-1	EO1P1bd2.DTP	EO1P1bd2.DTP		I32	T32	SSA – I32, T32 Non Coho				8000	Q (W79)	Q (W56)	

Table C-2. EO-1 Data Sheet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A8601WD	Prime-1	EO1P1bd3.DTP	EO1P1bd3.DTP		I33	T33	SSA – I33, T33 Non Coho				8000	R (W80)	R (W57)	
B8601WD	EO-1 Prime 2	EO1P2bd1.DTP	EO1P2bd1.DTP	H01	I01 I04	T01 T04	SSA – I01, T01 Non Coho SSA – I04, T04 Coho	2000	J (W30)	J (W40)	2000	P (W55)	P (W69)	SUPIDEN B8601WD - MOC's backup system - Open-IONet connection
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP	H01	I11 I14	T11 T14	SSA – I11, T14 Non Coho SSA – I14, T14 Coho	2000	J (W30)	J (W40)	4000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP	H01	I21 I24	T21 T24	SSA – I21, T21 Non Coho SSA – T21, T24 Coho	2000	J (W30)	J (W40)	6000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP	H01	I31 I34	T31 T34	SSA – I31, T31 Non Coho SSA – I34, T34 Coho	2000	J (W30)	J (W40)	8000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP	H01				2000	J (W30)	J (W40)				Forward only
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP	H02	I02 I05	T02 T05	SSA – I02, T02 Non Coho SSA – I05, T05 Coho	2000	K (W31)	K (W41)	2000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP	H02	I12 I15	T12 T15	SSA – I12, T12 Non Coho SSA – I15, T15 Coho	2000	K (W31)	K (W41)	4000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP	H02	I22 I25	T22 T25	SSA – I22, T22 Non Coho SSA – I25, T25 Coho	2000	K (W31)	K (W41)	6000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP	H02	I32 I35	T32 T35	SSA – I32, T32 Non Coho SSA – I35, T35 Coho	2000	K (W31)	K (W41)	8000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP	H02				2000	K (W31)	K (W41)				Forward only
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP	H03	I03 I06	T03 T06	SSA – I03, T03 Non Coho SSA – I06, T06 Coho	2000	L (W32)	L (W42)	2000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP	H03	I13 I16	T13 T16	SSA – I13, T13 Non Coho SSA – I16, T16 Coho	2000	L (W32)	L (W42)	4000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP	H03	I23 I26	T23 T26	SSA – I23, I26 Non Coho SSA – I26, T26 Coho	2000	L (W32)	L (W42)	6000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP	H03	I33 I36	T33 T36	SSA – I33, T33 Non Coho SSA – I36, T36 Coho	2000	L (W32)	L (W42)	8000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP	H03				2000	L (W32)	L (W42)				Forward only
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP		I01	T01	SSA – I01, T01 Non Coho				2000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP		I02	T02	SSA – I02, T02 Non Coho				2000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP		I03	T03	SSA – I03, T03 Non Coho				2000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP		I11	T11	SSA – I11, T11 Non Coho				4000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP		I12	T12	SSA – I12, T12 Non Coho				4000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP		I13	T13	SSA – I13, T13 Non Coho				4000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP		I21	T21	SSA – I21, T21 Non Coho				6000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP		I22	T22	SSA – I22, T22 Non Coho				6000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP		I23	T23	SSA – I23, T23 Non Coho				6000	R (W57)	R (W80)	
B8601WD	Prime-2	EO1P2bd1.DTP	EO1P2bd1.DTP		I31	T31	SSA – I31, T31 Non Coho				8000	P (W55)	P (W69)	
B8601WD	Prime-2	EO1P2bd2.DTP	EO1P2bd2.DTP		I32	T32	SSA – I32, T32 Non Coho				8000	Q (W56)	Q (W79)	
B8601WD	Prime-2	EO1P2bd3.DTP	EO1P2bd3.DTP		I33	T33	SSA – I33, T33 Non Coho				8000	R (W57)	R (W80)	

Table C-2. EO-1 Data Sheet

C8601WD	EO-1 Backup	EO1Bbd1.DTP	EO1Bbd1.DTP	H01	I01 I04	T01 T04	SSA – I01, T01 Non Coho SSA – I04, T04 Coho	2000	J (W30)	J (W40)	2000	P (W55)	P (W69)	SUPIDEN C8601WD - backup Closed-IONet connection
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP	H01	I11 I14	T11 T14	SSA – I11, T14 Non Coho SSA – I14, T14 Coho	2000	J (W30)	J (W40)	4000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP	H01	I21 I24	T21 T24	SSA – I21, T21 Non Coho SSA – T21, T24 Coho	2000	J (W30)	J (W40)	6000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP	H01	I31 I34	T31 T34	SSA – I31, T31 Non Coho SSA – I34, T34 Coho	2000	J (W30)	J (W40)	8000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP	H01				2000	J (W30)	J (W40)				Forward only
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP	H02	I02 I05	T02 T05	SSA – I02, T02 Non Coho SSA – I05, T05 Coho	2000	K (W31)	K (W41)	2000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP	H02	I12 I15	T12 T15	SSA – I12, T12 Non Coho SSA – I15, T15 Coho	2000	K (W31)	K (W41)	4000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP	H02	I22 I25	T22 T25	SSA – I22, T22 Non Coho SSA – I25, T25 Coho	2000	K (W31)	K (W41)	6000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP	H02	I32 I35	T32 T35	SSA – I32, T32 Non Coho SSA – I35, T35 Coho	2000	K (W31)	K (W41)	8000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP	H02				2000	K (W31)	K (W41)				Forward only
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP	H03	I03 I06	T03 T06	SSA – I03, T03 Non Coho SSA – I06, T06 Coho	2000	L (W32)	L (W42)	2000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP	H03	I13 I16	T13 T16	SSA – I13, T13 Non Coho SSA – I16, T16 Coho	2000	L (W32)	L (W42)	4000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP	H03	I23 I26	T23 T26	SSA – I23, I26 Non Coho SSA – I26, T26 Coho	2000	L (W32)	L (W42)	6000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP	H03	I33 I36	T33 T36	SSA – I33, T33 Non Coho SSA – I36, T36 Coho	2000	L (W32)	L (W42)	8000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP	H03				2000	L (W32)	L (W42)				Forward only
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP		I01	T01	SSA – I01, T01 Non Coho				2000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP		I02	T02	SSA – I02, T02 Non Coho				2000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP		I03	T03	SSA – I03, T03 Non Coho				2000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP		I11	T11	SSA – I11, T11 Non Coho				4000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP		I12	T12	SSA – I12, T12 Non Coho				4000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP		I13	T13	SSA – I13, T13 Non Coho				4000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP		I21	T21	SSA – I21, T21 Non Coho				6000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP		I22	T22	SSA – I22, T22 Non Coho				6000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP		I23	T23	SSA – I23, T23 Non Coho				6000	R (W57)	R (W80)	
C8601WD	Backup	EO1Bbd1.DTP	EO1Bbd1.DTP		I31	T31	SSA – I31, T31 Non Coho				6000	P (W55)	P (W69)	
C8601WD	Backup	EO1Bbd2.DTP	EO1Bbd2.DTP		I32	T32	SSA – I32, T32 Non Coho				8000	Q (W56)	Q (W79)	
C8601WD	Backup	EO1Bbd3.DTP	EO1Bbd3.DTP		I33	T33	SSA – I33, T33 Non Coho				8000	R (W57)	R (W80)	
Playback														
TBS														

FUSE Board 1, 2, 3

Prime Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP	H01	I01	T01	SSAF, SSAR Coho	2000	J (W30)	J (W40)	8000	P (W55)	P (W69)	
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP	H01	I04	T04	SSAF, SSAR Coho	2000	J (W30)	J (W40)	16000	P (W55)	P (W69)	
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP	H01	I07	T07	SSAF, SSAR Coho	2000	J (W30)	J (W40)	32000	P (W55)	P (W69)	
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP	H01			SSAF	2000	J (W30)	J (W40)				Forward only
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP		I01	T01	SSAR - Non Coherent				8000	P (W55)	P (W69)	
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP		I04	T04	SSAR - Non Coherent				16000	P (W55)	P (W69)	
A5657WD	Prime	FUSEbd1.DTP	FUSEbd1.DTP		I07	T07	SSAR - Non Coherent				32000	P (W55)	P (W69)	
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP	H02	I02	T02	SSAF, SSAR Coho	2000	K (W31)	K (W41)	8000	Q (W56)	Q (W79)	
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP	H02	I05	T05	SSAF, SSAR Coho	2000	K (W31)	K (W41)	16000	Q (W56)	Q (W79)	
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP	H02	I08	T08	SSAF, SSAR Coho	2000	K (W31)	K (W41)	32000	Q (W56)	Q (W79)	
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP	H02			SSAF	2000	K (W31)	K (W41)				Forward only
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP		I02	T02	SSAR - Non Coherent				8000	Q (W56)	Q (W79)	
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP		I05	T05	SSAR - Non Coherent				16000	Q (W56)	Q (W79)	
A5657WD	Prime	FUSEbd2.DTP	FUSEbd2.DTP		I08	T08	SSAR - Non Coherent				32000	Q (W56)	Q (W79)	
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP	H03	I03	T03	SSAF, SSAR –Coho	2000	L (W32)	L (W42)	8000	R (W57)	R (W80)	
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP	H03	I06	T06	SSAF, SSAR – Coho	2000	L (W32)	L (W42)	16000	R (W57)	R (W80)	
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP	H03	I09	T09	SSAF, SSAR – Coho	2000	L (W32)	L (W42)	32000	R (W57)	R (W80)	
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP	H03			SSAF	2000	L (W32)	L (W42)				Forward only
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP		I03	T03	SSAR - Non Coherent				8000	R (W57)	R (W80)	
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP		I06	T06	SSAR - Non Coherent				16000	R (W57)	R (W80)	
A5657WD	Prime	FUSEbd3.DTP	FUSEbd3.DTP		I09	T09	SSAR - Non Coherent				32000	R (W57)	R (W80)	
Playback														
TBS														

Table C-3. FUSE Data Sheet

GALEX Board 1, 2, 3

Prime, Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A5450WD	Prime	GALXPbd1.DTP	GALXPbd1.DTP	H01	I01	T01	SSAF, SSAR Non Coho	2000	J (W30)	J (W40)	8000	P (W55)	P (W69)	
A5450WD	Prime	GALXPbd1.DTP	GALXPbd1.DTP	H01			SSAF	2000	J (W30)	J (W40)				Forward only
A5450WD	Prime	GALXPbd1.DTP	GALXPbd1.DTP		I01	T01	SSA – Non Coho	2000			8000	P (W55)	P (W69)	Return only
A5450WD	Prime	GALXPbd2.DTP	GALXPbd2.DTP	H02	I02	T02	SSAF, SSAR Non Coho	2000	K (W31)	K (W41)	8000	Q (W56)	Q (W79)	
A5450WD	Prime	GALXPbd2.DTP	GALXPbd2.DTP	H02			SSAF	2000	K (W31)	K (W41)				Forward only
A5450WD	Prime	GALXPbd2.DTP	GALXPbd2.DTP		I02	T02	SSAR – Non Coho	2000			8000	Q (W56)	Q (W79)	Return only
A5450WD	Prime	GALXPbd3.DTP	GALXPbd3.DTP	H03	I03	T03	SSAF, SSAR Non Coho	2000	L (W32)	L (W42)	8000	R (W57)	R (W80)	
A5450WD	Prime	GALXPbd3.DTP	GALXPbd3.DTP	H03			SSAF	2000	L (W32)	L (W42)				Forward only
A5450WD	Prime	GALXPbd3.DTP	GALXPbd3.DTP		I03	T03	SSAR – Non Coho	2000			8000	R (W57)	R (W80)	Return only
B5450WD	Backup	GALXBbd1.DTP	GALXBbd1.DTP	H01	I01	T01	SSAF, SSAR Non Coho	2000	J (W30)	J (W40)	8000	P (W55)	P (W69)	
B5450WD	Backup	GALXBbd1.DTP	GALXBbd1.DTP	H01			SSAF	2000	J (W30)	J (W40)				Forward only
B5450WD	Backup	GALXBbd1.DTP	GALXBbd1.DTP		I01	T01	SSA – Non Coho	2000			8000	P (W55)	P (W69)	Return only
B5450WD	Backup	GALXBbd2.DTP	GALXBbd2.DTP	H02	I02	T02	SSAF, SSAR Non Coho	2000	K (W31)	K (W41)	8000	Q (W56)	Q (W79)	
B5450WD	Backup	GALXBbd2.DTP	GALXBbd2.DTP	H02			SSAF	2000	K (W31)	K (W41)				Forward only
B5450WD	Backup	GALXBbd2.DTP	GALXBbd2.DTP		I02	T02	SSAR – Non Coho	2000			8000	Q (W56)	Q (W79)	Return only
B5450WD	Backup	GALXBbd3.DTP	GALXBbd3.DTP	H03	I03	T03	SSAF, SSAR Non Coho	2000	L (W32)	L (W42)	8000	R (W57)	R (W80)	
B5450WD	Backup	GALXBbd3.DTP	GALXBbd3.DTP	H03			SSAF	2000	L (W32)	L (W42)				Forward only
B5450WD	Backup	GALXBbd3.DTP	GALXBbd3.DTP		I03	T03	SSAR – Non Coho	2000			8000	R (W57)	R (W80)	Return only
A5450WD	Prime	GALXPbd1.DTP	GALXPbd1.DTP	H11	I11	T11	SSAF, SSAR Non Coho	2000	J (W30)	J (W40)	16000	P (W55)	P (W69)	
A5450WD	Prime	GALXPbd1.DTP	GALXPbd1.DTP	H11			SSAF	2000	J (W30)	J (W40)				Forward only
A5450WD	Prime	GALXPbd1.DTP	GALXPbd1.DTP		I11	T11	SSA – Non Coho	2000			16000	P (W55)	P (W69)	Return only
A5450WD	Prime	GALXPbd2.DTP	GALXPbd2.DTP	H12	I12	T12	SSAF, SSAR Non Coho	2000	K (W31)	K (W41)	16000	Q (W56)	Q (W79)	
A5450WD	Prime	GALXPbd2.DTP	GALXPbd2.DTP	H12			SSAF	2000	K (W31)	K (W41)				Forward only
A5450WD	Prime	GALXPbd2.DTP	GALXPbd2.DTP		I12	T12	SSAR – Non Coho	2000			16000	Q (W56)	Q (W79)	Return only
A5450WD	Prime	GALXPbd3.DTP	GALXPbd3.DTP	H13	I13	T13	SSAF, SSAR Non Coho	2000	L (W32)	L (W42)	16000	R (W57)	R (W80)	
A5450WD	Prime	GALXPbd3.DTP	GALXPbd3.DTP	H13			SSAF	2000	L (W32)	L (W42)				Forward only
A5450WD	Prime	GALXPbd3.DTP	GALXPbd3.DTP		I13	T13	SSAR – Non Coho	2000			16000	R (W57)	R (W80)	Return only
B5450WD	Backup	GALXBbd1.DTP	GALXBbd1.DTP	H11	I11	T11	SSAF, SSAR Non Coho	2000	J (W30)	J (W40)	16000	P (W55)	P (W69)	
B5450WD	Backup	GALXBbd1.DTP	GALXBbd1.DTP	H11			SSAF	2000	J (W30)	J (W40)				Forward only
B5450WD	Backup	GALXBbd1.DTP	GALXBbd1.DTP		I11	T11	SSA – Non Coho	2000			16000	P (W55)	P (W69)	Return only
B5450WD	Backup	GALXBbd2.DTP	GALXBbd2.DTP	H12	I12	T12	SSAF, SSAR Non Coho	2000	K (W31)	K (W41)	16000	Q (W56)	Q (W79)	
B5450WD	Backup	GALXBbd2.DTP	GALXBbd2.DTP	H12			SSAF	2000	K (W31)	K (W41)				Forward only
B5450WD	Backup	GALXBbd2.DTP	GALXBbd2.DTP		I12	T12	SSAR – Non Coho	2000			16000	Q (W56)	Q (W79)	Return only
B5450WD	Backup	GALXBbd3.DTP	GALXBbd3.DTP	H13	I13	T13	SSAF, SSAR Non Coho	2000	L (W32)	L (W42)	16000	R (W57)	R (W80)	

Table C-4. GALEX Data Sheet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
B5450WD	Backup	GALXBbd3.DTP	GALXBbd3.DTP	H13			SSAF	2000	L (W32)	L (W42)				Forward only
B5450WD	Backup	GALXBbd3.DTP	GALXBbd3.DTP		I13	T13	SSAR – Non Coho	2000			16000	R (W57)	R (W80)	Return only
Playback														
TBS														

Gravity Probe-B Board 1, 2, 3

D8603WD	**POD D**													

Table C-5. GP-B Data Sheet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	D20			SMAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	D50			SMAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	D60			SMAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp		E10	T12	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp		E20	T22	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp		E50	T52	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp		E60	T62	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	D10	E11	T13	SMAF/SMAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	D20	E21	T23 T41 (1-way)	SMAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	D50	E51	T53	SMAF/SMAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	D60	E61	T63 T42 (1-way)	SMAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	H10			SSAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	H20			SSAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	H50			SSAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
D8603WD	POD D	GPBDbd1H.dtp	GPBDbd1H.dtp	H60			SSAF	2000	H(WA1)	H(WC1)				FWD Only

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
		GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd2H.dtp GPBDbd3H.dtp						Q(WA2) R(WA3)	Q(WC2) R(WC3)				
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp		I10	T14	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp		I20	T24	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp		I50	T54	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp		I60	T64	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	H10	I11	T15	SSAF/SSAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	H20	I21	T25 T81 (1-way)	SSAF/SSAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
D8603WD	POD D	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	GPBDbd1L.dtp GPBDbd2L.dtp GPBDbd3L.dtp	H50	I51	T55	SSAF/SSAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
D8603WD	POD D	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	GPBDbd1H.dtp GPBDbd2H.dtp GPBDbd3H.dtp	H60	I61	T65 T82 (1-way)	SSAF/SSAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	**POD E**	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	A10			MAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	A20			MAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	A50			MAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	A60			MAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp		B10	T10	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1H.dtp	GPBEbd1H.dtp		B20	T20	MAR Non-Coherent				2048	L(WB1)	L(WD1)	RTN Only

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
		GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd2H.dtp GPBEbd3H.dtp									M(WB2) N(WB3)	M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp		B50	T50	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp		B60	T60	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	A10	B11	T11	MAF/MAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	A20	B21	T21	MAF/MAR Coherent	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	A50	B51	T51	MAF/MAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	A60	B61	T61	MAF/MAR Coherent	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	D10			SMAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	D20			SMAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	D50			SMAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	D60			SMAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp		E10	T12	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp		E20	T22	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp		E50	T52	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp		E60	T62	SMAR Non-Coherent				2048	L(WB1) M(WB2)	L(WD1) M(WD2)	RTN Only

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
		GPBEbd3H.dtp	GPBEbd3H.dtp									N(WB3)	N(WD3)	
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	D10	E11	T13	SMAF/SMAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	D20	E21	T23 T41 (1-way)	SMAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	D50	E51	T53	SMAF/SMAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	D60	E61	T63 T42 (1-way)	SMAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	H10			SSAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	H20			SSAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
		GPBEbd1L.dtp GPBEbd3H.dtp	GPBEbd1L.dtp GPBEbd3H.dtp						H(WA1) R(WA3)	H(WC1) R(WC3)				
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	H50			SSAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	H60			SSAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp		I10	T14	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp		I20	T24	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp		I50	T54	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp		I60	T64	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	H10	I11	T15	SSAF/SSAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	H20	I21	T25 T81 (1-way)	SSAF/SSAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
E8603WD	POD E	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	GPBEbd1L.dtp GPBEbd2L.dtp GPBEbd3L.dtp	H50	I51	T55	SSAF/SSAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
E8603WD	POD E	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	GPBEbd1H.dtp GPBEbd2H.dtp GPBEbd3H.dtp	H60	I61	T65 T82 (1-way)	SSAF/SSAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	**POD G**	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	A10			MAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	A20			MAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	A50			MAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	A60			MAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp		B10	T10	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp		B20	T20	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp		B50	T50	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp		B60	T60	MAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	A10	B11	T11	MAF/MAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	A20	B21	T21	MAF/MAR Coherent	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	A50	B51	T51	MAF/MAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	A60	B61	T61	MAF/MAR Coherent	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	D10			SMAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	D20			SMAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	D50			SMAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	D60			SMAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp		E10	T12	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp		E20	T22	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp		E50	T52	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp		E60	T62	SMAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	D10	E11	T13	SMAF/SMAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	D20	E21	T23 T41 (1-way)	SMAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	D50	E51	T53	SMAF/SMAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	D60	E61	T63 T42 (1-way)	SMAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	H10			SSAF	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	H20			SSAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1L.dtp	GPBGbd1L.dtp	H50			SSAF	125	H(WA1)	H(WC1)				FWD Only

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
		GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd2L.dtp GPBGbd3L.dtp						Q(WA2) R(WA3)	Q(WC2) R(WC3)				
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	H60			SSAF	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)				FWD Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp		I10	T14	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp		I20	T24	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp		I50	T54	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp		I60	T64	SSAR Non-Coherent				2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	RTN Only
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	H10	I11	T15	SSAF/SSAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	H20	I21	T25 T81 (1-way)	SSAF/SSAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	GPBGbd1L.dtp GPBGbd2L.dtp GPBGbd3L.dtp	H50	I51	T55	SSAF/SSAR Coherent	125	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	
G8603WD	POD G	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	GPBGbd1H.dtp GPBGbd2H.dtp GPBGbd3H.dtp	H60	I61	T65 T82 (1-way)	SSAF/SSAR Coherent (Default)	2000	H(WA1) Q(WA2) R(WA3)	H(WC1) Q(WC2) R(WC3)	2048	L(WB1) M(WB2) N(WB3)	L(WD1) M(WD2) N(WD3)	

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SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	A70	B74	T76	MAF, MAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	(Prototype) P76
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	A80	B84	T86	MAF, MAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P86
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	A90	B94	T96	MAF, MAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P96
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	A70	B73	T73	MAF, MAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P78
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	A80	B83	T83	MAF, MAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P88
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	A90	B93	T93	MAF, MAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P98
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	H70	L72	T74	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P74
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	H80	L82	T84	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P84
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	H90	L92	T94	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P94
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	H70	L71	T71	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P70
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	H80	L81	T81	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P80
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	H90	L91	T91	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P90
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	A70	B79	T79	MAF, MAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P79
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	A80	B89	T89	MAF, MAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P89
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	A90	B99	T99	MAF, MAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P99
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	A70	B78	T43	MAF, MAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P49
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	A80	B88	T53	MAF, MAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P59
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	A90	B98	T63	MAF, MAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P69
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	H70	L77	T77	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P77
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	H80	L87	T87	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P87
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	H90	L97	T97	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P97
A7368WD	Prime 1	L7P1bd1H.dtp	L7P1bd1H.dtp	H70	L76	T41	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P47
A7368WD	Prime 1	L7P1bd2H.dtp	L7P1bd2H.dtp	H80	L86	T51	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P57
A7368WD	Prime 1	L7P1bd3H.dtp	L7P1bd3H.dtp	H90	L96	T61	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P67
A7368WD	Prime 1	L7P1bd1L.dtp	L7P1bd1L.dtp	A75	B74	T45	MAF, MAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P46
A7368WD	Prime 1	L7P1bd2L.dtp	L7P1bd2L.dtp	A85	B84	T55	MAF, MAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P56
A7368WD	Prime 1	L7P1bd3L.dtp	L7P1bd3L.dtp	A95	B94	T65	MAF, MAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P66
A7368WD	Prime 1	L7P1bd1L.dtp	L7P1bd1L.dtp	A75	B73	T73	MAF, MAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P48
A7368WD	Prime 1	L7P1bd2L.dtp	L7P1bd2L.dtp	A85	B83	T83	MAF, MAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P58
A7368WD	Prime 1	L7P1bd3L.dtp	L7P1bd3L.dtp	A95	B93	T93	MAF, MAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P68
A7368WD	Prime 1	L7P1bd1L.dtp	L7P1bd1L.dtp	H75	L72	T47	SSAF, SSAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P44
A7368WD	Prime 1	L7P1bd2L.dtp	L7P1bd2L.dtp	H85	L82	T57	SSAF, SSAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P54
A7368WD	Prime 1	L7P1bd3L.dtp	L7P1bd3L.dtp	H95	L92	T67	SSAF, SSAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P64
A7368WD	Prime 1	L7P1bd1L.dtp	L7P1bd1L.dtp	H75	L71	T71	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P40
A7368WD	Prime 1	L7P1bd2L.dtp	L7P1bd2L.dtp	H85	L81	T81	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P50
A7368WD	Prime 1	L7P1bd3L.dtp	L7P1bd3L.dtp	H95	L91	T91	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P60
A7368WD	Prime 1	L7P1bd1L.dtp	L7P1bd1L.dtp	A75	B79	T44	MAF, MAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P73
A7368WD	Prime 1	L7P1bd2L.dtp	L7P1bd2L.dtp	A85	B89	T54	MAF, MAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P83
A7368WD	Prime 1	L7P1bd3L.dtp	L7P1bd3L.dtp	A95	B99	T64	MAF, MAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P93

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
[redacted]						T43	MAF, MAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P43 PORT A6 Tw 368 Tw 369

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	H90	L92	T94	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P94
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	H70	L71	T71	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P70
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	H80	L81	T81	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P80
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	H90	L91	T91	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P90
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	A70	B79	T79	MAF, MAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P79
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	A80	B89	T89	MAF, MAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P89
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	A90	B99	T99	MAF, MAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P99
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	A70	B78	T43	MAF, MAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P49
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	A80	B88	T53	MAF, MAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P59
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	A90	B98	T63	MAF, MAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P69
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	H70	L77	T77	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P77
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	H80	L87	T87	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P87
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	H90	L97	T97	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P97
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	H70	L76	T41	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P47
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	H80	L86	T51	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P57
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	H90	L96	T61	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P67
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	A75	B74	T45	MAF, MAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P46
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	A85	B84	T55	MAF, MAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P56
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	A95	B94	T65	MAF, MAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P66
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	A75	B73	T73	MAF, MAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P48
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	A85	B83	T83	MAF, MAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P58
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	A95	B93	T93	MAF, MAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P68
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	H75	L72	T47	SSAF, SSAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P44
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	H85	L82	T57	SSAF, SSAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P54
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	H95	L92	T67	SSAF, SSAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P64
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	H75	L71	T71	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P40
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	H85	L81	T81	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P50
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	H95	L91	T91	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P60
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	A75	B79	T44	MAF, MAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P73
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	A85	B89	T54	MAF, MAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P83
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	A95	B99	T64	MAF, MAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P93
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	A75	B78	T43	MAF, MAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P43
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	A85	B88	T53	MAF, MAR Non Coho	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P53
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	A95	B98	T63	MAF, MAR Non Coho	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P63
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	H75	L77	T42	SSAF, SSAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P42
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	H85	L87	T52	SSAF, SSAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P52
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	H95	L97	T62	SSAF, SSAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P62
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	H75	L76	T41	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P41
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	H85	L86	T51	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P51
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	H95	L96	T61	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P61
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	A70			MAF	1000	J (W30)	J (W40)				Forward Only
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	A75			MAF	125	J (W30)	J (W40)				Forward Only

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	A80			MAF	1000	K (W31)	K (W41)				Forward Only
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	A85			MAF	125	K (W31)	K (W41)				Forward Only
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	A90			MAF	1000	L (W32)	L (W42)				Forward Only
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	A95			MAF	125	L (W32)	L (W42)				Forward Only
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp	H70			SSAF	1000	J (W30)	J (W40)				Forward Only
B7368WD	B/U at Col	LS7Bbd1L.dtp	LS7Bbd1L.dtp	H75			SSAF	125	J (W30)	J (W40)				Forward Only
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp	H80			SSAF	1000	K (W31)	K (W41)				Forward Only
B7368WD	B/U at Col	LS7Bbd2L.dtp	LS7Bbd2L.dtp	H85			SSAF	125	K (W31)	K (W41)				Forward Only
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp	H90			SSAF	1000	L (W32)	L (W42)				Forward Only
B7368WD	B/U at Col	LS7Bbd3L.dtp	LS7Bbd3L.dtp	H95			SSAF	125	L (W32)	L (W42)				Forward Only
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp		B78		MAR Non Coho				1216	P (W55)	P (W69)	Return Only
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp		B73		MAR Non Coho				4864	P (W55)	P (W69)	Return Only
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp		B88		MAR Non Coho				1216	Q (W56)	Q (W79)	Return Only
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp		B83		MAR Non Coho				4864	Q (W56)	Q (W79)	Return Only
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp		B98		MAR Non Coho				1216	R (W57)	R (W80)	Return Only
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp		B93		MAR Non Coho				4864	R (W57)	R (W80)	Return Only
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp		L76		SSAR Non Coho				1216	P (W55)	P (W69)	Return Only
B7368WD	B/U at Col	LS7Bbd1H.dtp	LS7Bbd1H.dtp		L71		SSAR Non Coho				4864	P (W55)	P (W69)	Return Only
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp		L86		SSAR Non Coho				1216	Q (W56)	Q (W79)	Return Only
B7368WD	B/U at Col	LS7Bbd2H.dtp	LS7Bbd2H.dtp		L81		SSAR Non Coho				4864	Q (W56)	Q (W79)	Return Only
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp		L96		SSAR Non Coho				1216	R (W57)	R (W80)	Return Only
B7368WD	B/U at Col	LS7Bbd3H.dtp	LS7Bbd3H.dtp		L91		SSAR Non Coho				4864	R (W57)	R (W80)	Return Only
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	A70	B74	T76	MAF, MAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P76
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	A80	B84	T86	MAF, MAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P86
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	A90	B94	T96	MAF, MAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P96
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	A70	B73	T73	MAF, MAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P78
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	A80	B83	T83	MAF, MAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P88
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	A90	B93	T93	MAF, MAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P98
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	H70	L72	T74	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P74
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	H80	L82	T84	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P84
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	H90	L92	T94	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P94
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	H70	L71	T71	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P70
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	H80	L81	T81	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P80
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	H90	L91	T91	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P90
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	A70	B79	T79	MAF, MAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P79
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	A80	B89	T89	MAF, MAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P89
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	A90	B99	T99	MAF, MAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P99
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	A70	B78	T43	MAF, MAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P49
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	A80	B88	T53	MAF, MAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P59
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	A90	B98	T63	MAF, MAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P69
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	H70	L77	T77	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P77

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	H80	L87	T87	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P87
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	H90	L97	T97	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P97
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	H70	L76	T41	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P47
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	H80	L86	T51	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P57
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	H90	L96	T61	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P67
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	A75	B74	T45	MAF, MAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P46
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	A85	B84	T55	MAF, MAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P56
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	A95	B94	T65	MAF, MAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P66
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	A75	B73	T73	MAF, MAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P48
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	A85	B83	T83	MAF, MAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P58
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	A95	B93	T93	MAF, MAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P68
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	H75	L72	T47	SSAF, SSAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P44
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	H85	L82	T57	SSAF, SSAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P54
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	H95	L92	T67	SSAF, SSAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P64
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	H75	L71	T71	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P40
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	H85	L81	T81	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P50
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	H95	L91	T91	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P60
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	A75	B79	T44	MAF, MAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P73
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	A85	B89	T54	MAF, MAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P83
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	A95	B99	T64	MAF, MAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P93
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	A75	B78	T43	MAF, MAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P43
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	A85	B88	T53	MAF, MAR Non Coho	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P53
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	A95	B98	T63	MAF, MAR Non Coho	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P63
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	H75	L77	T42	SSAF, SSAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P42
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	H85	L87	T52	SSAF, SSAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P52
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	H95	L97	T62	SSAF, SSAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P62
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	H75	L76	T41	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P41
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	H85	L86	T51	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P51
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	H95	L96	T61	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P61
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	A70			MAF	1000	J (W30)	J (W40)				Forward Only
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	A75			MAF	125	J (W30)	J (W40)				Forward Only
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	A80			MAF	1000	K (W31)	K (W41)				Forward Only
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	A85			MAF	125	K (W31)	K (W41)				Forward Only
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	A90			MAF	1000	L (W32)	L (W42)				Forward Only
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	A95			MAF	125	L (W32)	L (W42)				Forward Only
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp	H70			SSAF	1000	J (W30)	J (W40)				Forward Only
C7368WD	Prime 2	L7P2bd1L.dtp	L7P2bd1L.dtp	H75			SSAF	125	J (W30)	J (W40)				Forward Only
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp	H80			SSAF	1000	K (W31)	K (W41)				Forward Only
C7368WD	Prime 2	L7P2bd2L.dtp	L7P2bd2L.dtp	H85			SSAF	125	K (W31)	K (W41)				Forward Only
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp	H90			SSAF	1000	L (W32)	L (W42)				Forward Only
C7368WD	Prime 2	L7P2bd3L.dtp	L7P2bd3L.dtp	H95			SSAF	125	L (W32)	L (W42)				Forward Only
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp		B78		MAR Non Coho				1216	P (W55)	P (W69)	Return Only

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp		B73		MAR Non Coho				4864	P (W55)	P (W69)	Return Only
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp		B88		MAR Non Coho				1216	Q (W56)	Q (W79)	Return Only
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp		B83		MAR Non Coho				4864	Q (W56)	Q (W79)	Return Only
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp		B98		MAR Non Coho				1216	R (W57)	R (W80)	Return Only
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp		B93		MAR Non Coho				4864	R (W57)	R (W80)	Return Only
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp		L76		SSAR Non Coho				1216	P (W55)	P (W69)	Return Only
C7368WD	Prime 2	L7P2bd1H.dtp	L7P2bd1H.dtp		L71		SSAR Non Coho				4864	P (W55)	P (W69)	Return Only
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp		L86		SSAR Non Coho				1216	Q (W56)	Q (W79)	Return Only
C7368WD	Prime 2	L7P2bd2H.dtp	L7P2bd2H.dtp		L81		SSAR Non Coho				4864	Q (W56)	Q (W79)	Return Only
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp		L96		SSAR Non Coho				1216	R (W57)	R (W80)	Return Only
C7368WD	Prime 2	L7P2bd3H.dtp	L7P2bd3H.dtp		L91		SSAR Non Coho				4864	R (W57)	R (W80)	Return Only
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	A70	B74	T76	MAF, MAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P76
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	A80	B84	T86	MAF, MAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P86
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	A90	B94	T96	MAF, MAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P96
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	A70	B73	T73	MAF, MAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P78
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	A80	B83	T83	MAF, MAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P88
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	A90	B93	T93	MAF, MAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P98
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	H70	L72	T74	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P74
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	H80	L82	T84	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P84
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	H90	L92	T94	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P94
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	H70	L71	T71	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P70
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	H80	L81	T81	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P80
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	H90	L91	T91	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P90
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	A70	B79	T79	MAF, MAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P79
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	A80	B89	T89	MAF, MAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P89
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	A90	B99	T99	MAF, MAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P99
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	A70	B78	T43	MAF, MAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P49
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	A80	B88	T53	MAF, MAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P59
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	A90	B98	T63	MAF, MAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P69
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	H70	L77	T77	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P77
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	H80	L87	T87	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P87
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	H90	L97	T97	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P97
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	H70	L76	T41	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P47
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	H80	L86	T51	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P57
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	H90	L96	T61	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P67
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	A75	B74	T45	MAF, MAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P46
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	A85	B84	T55	MAF, MAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P56
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	A95	B94	T65	MAF, MAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P66
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	A75	B73	T73	MAF, MAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P48
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	A85	B83	T83	MAF, MAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P58
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	A95	B93	T93	MAF, MAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P68

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	H75	L72	T47	SSAF, SSAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P44
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	H85	L82	T57	SSAF, SSAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P54
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	H95	L92	T67	SSAF, SSAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P64
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	H75	L71	T71	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P40
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	H85	L81	T81	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P50
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	H95	L91	T91	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P60
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	A75	B79	T44	MAF, MAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P73
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	A85	B89	T54	MAF, MAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P83
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	A95	B99	T64	MAF, MAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P93
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	A75	B78	T43	MAF, MAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P43
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	A85	B88	T53	MAF, MAR Non Coho	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P53
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	A95	B98	T63	MAF, MAR Non Coho	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P63
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	H75	L77	T42	SSAF, SSAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P42
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	H85	L87	T52	SSAF, SSAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P52
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	H95	L97	T62	SSAF, SSAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P62
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	H75	L76	T41	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P41
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	H85	L86	T51	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P51
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	H95	L96	T61	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P61
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	A70			MAF	1000	J (W30)	J (W40)				Forward Only
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	A75			MAF	125	J (W30)	J (W40)				Forward Only
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	A75			MAF	125	J (W30)	J (W40)				Forward Only
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	A80			MAF	1000	K (W31)	K (W41)				Forward Only
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	A85			MAF	125	K (W31)	K (W41)				Forward Only
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	A90			MAF	1000	L (W32)	L (W42)				Forward Only
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	A95			MAF	125	L (W32)	L (W42)				Forward Only
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp	H70			SSAF	1000	J (W30)	J (W40)				Forward Only
D7368WD	Prime 3	L7P3bd1L.dtp	L7P3bd1L.dtp	H75			SSAF	125	J (W30)	J (W40)				Forward Only
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp	H80			SSAF	1000	K (W31)	K (W41)				Forward Only
D7368WD	Prime 3	L7P3bd2L.dtp	L7P3bd2L.dtp	H85			SSAF	125	K (W31)	K (W41)				Forward Only
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp	H90			SSAF	1000	L (W32)	L (W42)				Forward Only
D7368WD	Prime 3	L7P3bd3L.dtp	L7P3bd3L.dtp	H95			SSAF	125	L (W32)	L (W42)				Forward Only
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp		B78		MAR Non Coho				1216	P (W55)	P (W69)	Return Only
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp		B73		MAR Non Coho				4864	P (W55)	P (W69)	Return Only
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp		B88		MAR Non Coho				1216	Q (W56)	Q (W79)	Return Only
D7368WD	Prime 3	L7P3bd2H.dtp	L7P3bd2H.dtp		B83		MAR Non Coho				4864	Q (W56)	Q (W79)	Return Only
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp		B98		MAR Non Coho				1216	R (W57)	R (W80)	Return Only
D7368WD	Prime 3	L7P3bd3H.dtp	L7P3bd3H.dtp		B93		MAR Non Coho				4864	R (W57)	R (W80)	Return Only
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp		L76		SSAR Non Coho				1216	P (W55)	P (W69)	Return Only
D7368WD	Prime 3	L7P3bd1H.dtp	L7P3bd1H.dtp		L71		SSAR Non Coho				4864	P (W55)	P (W69)	Return Only L71 (W69)) Tj 36.84 0 TD

Table C-7. Landsat-7 Data Sheet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	A70	B74	T76	MAF, MAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P76
E7368WD	Prime 4	L7P4bd1H.dtp	L7P4bd1H.dtp	A80	B84	T86	MAF, MAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P86
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	A90	B94	T96	MAF, MAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P96
E7368WD	Prime 4	L7P4bd2H.dtp	L7P4bd2H.dtp	A70	B73	T73	MAF, MAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P78
E7368WD	Prime 4	L7P4bd2L.dtp	L7P4bd2L.dtp	A80	B83	T83	MAF, MAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P88
E7368WD	Prime 4	L7P4bd3H.dtp	L7P4bd3H.dtp	A90	B93	T93	MAF, MAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P98
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	H70	L72	T74	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P74
E7368WD	Prime 4	L7P4bd1H.dtp	L7P4bd1H.dtp	H80	L82	T84	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P84
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	H90	L92	T94	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P94
E7368WD	Prime 4	L7P4bd2H.dtp	L7P4bd2H.dtp	H70	L71	T71	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	4864	P (W55)	P (W69)	P70
E7368WD	Prime 4	L7P4bd2L.dtp	L7P4bd2L.dtp	H80	L81	T81	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P80
E7368WD	Prime 4	L7P4bd3H.dtp	L7P4bd3H.dtp	H90	L91	T91	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	4864	R (W57)	R (W80)	P90
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	A70	B79	T79	MAF, MAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P79
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	A80	B89	T89	MAF, MAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P89
E7368WD	Prime 4	L7P4bd1H.dtp	L7P4bd1H.dtp	A90	B99	T99	MAF, MAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P99
E7368WD	Prime 4	L7P4bd2L.dtp	L7P4bd2L.dtp	A70	B78	T43	MAF, MAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P49
E7368WD	Prime 4	L7P4bd2H.dtp	L7P4bd2H.dtp	A80	B88	T53	MAF, MAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P59
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	A90	B98	T63	MAF, MAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P69
E7368WD	Prime 4	L7P4bd3H.dtp	L7P4bd3H.dtp	H70	L77	T77	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P77
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	H80	L87	T87	SSAF, SSAR Coherent	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P87
E7368WD	Prime 4	L7P4bd1H.dtp	L7P4bd1H.dtp	H90	L97	T97	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P97
E7368WD	Prime 4	L7P4bd2L.dtp	L7P4bd2L.dtp	H70	L76	T41	SSAF, SSAR Non Coho	1000	J (W30)	J (W40)	1216	P (W55)	P (W69)	P47
E7368WD	Prime 4	L7P4bd2H.dtp	L7P4bd2H.dtp	H80	L86	T51	SSAF, SSAR Non Coho	1000	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P57
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	H90	L96	T61	SSAF, SSAR Non Coho	1000	L (W32)	L (W42)	1216	R (W57)	R (W80)	P67
E7368WD	Prime 4	L7P4bd3H.dtp	L7P4bd3H.dtp	A75	B74	T45	MAF, MAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P46
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	A85	B84	T55	MAF, MAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P56
E7368WD	Prime 4	L7P4bd1H.dtp	L7P4bd1H.dtp	A95	B94	T65	MAF, MAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P66
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	A75	B73	T73	MAF, MAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P48
E7368WD	Prime 4	L7P4bd2H.dtp	L7P4bd2H.dtp	A85	B83	T83	MAF, MAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P58
E7368WD	Prime 4	L7P4bd2L.dtp	L7P4bd2L.dtp	A95	B93	T93	MAF, MAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P68
E7368WD	Prime 4	L7P4bd3H.dtp	L7P4bd3H.dtp	H75	L72	T47	SSAF, SSAR Coherent	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P44
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	H85	L82	T57	SSAF, SSAR Coherent	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P54
E7368WD	Prime 4	L7P4bd1H.dtp	L7P4bd1H.dtp	H95	L92	T67	SSAF, SSAR Coherent	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P64
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	H75	L71	T71	SSAF, SSAR Non Coho	125	J (W30)	J (W40)	4864	P (W55)	P (W69)	P40
E7368WD	Prime 4	L7P4bd2H.dtp	L7P4bd2H.dtp	H85	L81	T81	SSAF, SSAR Non Coho	125	K (W31)	K (W41)	4864	Q (W56)	Q (W79)	P50
E7368WD	Prime 4	L7P4bd2L.dtp	L7P4bd2L.dtp	H95	L91	T91	SSAF, SSAR Non Coho	125	L (W32)	L (W42)	4864	R (W57)	R (W80)	P60
E7368WD	Prime 4	L7P4bd3H.dtp	L7P4bd3H.dtp	A75	B79	T44	MAF, MAR Coherent	125	J (W30)	J (W40)	1216	P (W55)	P (W69)	P73
E7368WD	Prime 4	L7P4bd3L.dtp	L7P4bd3L.dtp	A85	B89	T54	MAF, MAR Coherent	125	K (W31)	K (W41)	1216	Q (W56)	Q (W79)	P83
E7368WD	Prime 4	L7P4bd1L.dtp	L7P4bd1L.dtp	A95	B99	T64	MAF, MAR Coherent	125	L (W32)	L (W42)	1216	R (W57)	R (W80)	P93

Long Duration Balloon

TBS

SORCE Board 1, 2, 3

Prime, Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A1730WD	Prime	SORCEbd1.DTP	SORCEbd1.DTP	H01	I01	T01	SSAF, SSAR - Coho	2000	J (W30)	J (W40)	4000	P (W55)	P (W69)	.
A1730WD	Prime	SORCEbd1.DTP	SORCEbd1.DTP	H01			SSAR	2000	J (W30)	J (W40)				Forward only
A1730WD	Prime	SORCEbd1.DTP	SORCEbd1.DTP		I01	T01	SSAR – Non Coherent				4000	P (W55)	P (W69)	
A1730WD	Prime	SORCEbd2.DTP	SORCEbd2.DTP	H02	I02	T02	SSAF, SSAR - Coho	2000	K (W31)	K (W41)	4000	Q (W56)	Q (W79)	
A1730WD	Prime	SORCEbd2.DTP	SORCEbd2.DTP	H02			SSAF	2000	K (W31)	K (W41)				Forward only
A1730WD	Prime	SORCEbd2.DTP	SORCEbd2.DTP		I02	T02	SSAR – Non Coherent				4000	Q (W56)	Q (W79)	
A1730WD	Prime	SORCEbd3.DTP	SORCEbd3.DTP	H03	I03	T03	SSAF, SSAR - Coho	2000	L (W32)	L (W42)	4000	R (W57)	R (W80)	
A1730WD	Prime	SORCEbd3.DTP	SORCEbd3.DTP	H03			SSAF	2000	L (W32)	L (W42)				Forward only
A1730WD	Prime	SORCEbd3.DTP	SORCEbd3.DTP		I03	T03	SSA – Non Coherent				4000	R (W57)	R (W80)	
Playback														
TBS														

Swift Board 1, 2, 3

Prime, Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A1740WD	Prime	SWIFbd1L.dtp	SWIFbd1L.dtp	A01			MAF	125	J (W30)	J (W40)				Forward only
A1740WD	Prime	SWIFbd1L.dtp	SWIFbd1L.dtp	A01	B01	T01	MAF, MAR Coherent	125	J (W30)	J (W40)	1000	P (W55)	P W (69)	
A1740WD	Prime	SWIFbd1L.dtp	SWIFbd1L.dtp		B02	T02	MAR Non Coho				1000	P (W55)	P W (69)	
A1740WD	Prime	SWIFbd1L.dtp	SWIFbd1L.dtp	H01			SSAF	125	J (W30)	J (W40)				Forward only
A1740WD	Prime	SWIFbd1L.dtp	SWIFbd1L.dtp	H01	I01	T19	SSAF, SSAR Coherent	125	J (W30)	J (W40)	1000-8000	P (W55)	P W (69)	
A1740WD	Prime	SWIFbd1L.dtp	SWIFbd1L.dtp		I02	T22	SSAR Non Coho				1000-8000	P (W55)	P W (69)	
A1740WD	Prime	SWIFbd1H.dtp	SWIFbd1H.dtp	H11			SSAF	1000	J (W30)	J (W40)				Forward only
A1740WD	Prime	SWIFbd1H.dtp	SWIFbd1H.dtp	H11	I01	T21	SSAF, SSAR Coherent	1000	J (W30)	J (W40)	1000-8000	P (W55)	P W (69)	
A1740WD	Prime	SWIFbd2Ldtp	SWIFbd2Ldtp	A03			MAF	125	K (W31)	K (W41)				Forward only
A1740WD	Prime	SWIFbd2Ldtp	SWIFbd2Ldtp	A03	B03	T03	MAF, MAR Coherent	125	K (W31)	K (W41)	1000	Q (W56)	Q (W79)	
A1740WD	Prime	SWIFbd2Ldtp	SWIFbd2Ldtp		B04	T04	MAR Non Coho				1000	Q (W56)	Q (W79)	
A1740WD	Prime	SWIFbd2Ldtp	SWIFbd2Ldtp	H03			SSAF	125	K (W31)	K (W41)				Forward only
A1740WD	Prime	SWIFbd2Ldtp	SWIFbd2Ldtp	H03	I03	T23	SSAF, SSAR Coherent	125	K (W31)	K (W41)	1000	Q (W56)	Q (W79)	
A1740WD	Prime	SWIFbd2Ldtp	SWIFbd2Ldtp		I04	T23	SSAR Non Coho				1000-8000	Q (W56)	Q (W79)	
A1740WD	Prime	SWIFbd2H.dtp	SWIFbd2H.dtp	H13			SSAF	1000	K (W31)	K (W41)				Forward only
A1740WD	Prime	SWIFbd2H.dtp	SWIFbd2H.dtp	H13	I03	T25	SSAF. SSAR Coherent	1000	K (W31)	K (W41)	1000-8000	Q (W56)	Q (W79)	
A1740WD	Prime	SWIFbd3L.dtp	SWIFbd3L.dtp	A05			MAF	125	L (W32)	L (W42)				Forward only
A1740WD	Prime	SWIFbd3L.dtp	SWIFbd3L.dtp	A05	B05	T05	MAF. MAR Coherent	125	L (W32)	L (W42)	1000	R (W57)	R (W80)	
A1740WD	Prime	SWIFbd3L.dtp	SWIFbd3L.dtp		B06	T06	MAR Non Coherent				1000-8000	R (W57)	R (W80)	
A1740WD	Prime	SWIFbd3L.dtp	SWIFbd3L.dtp	H05			SSAF	1000	L (W32)	L (W42)				Forward only
A1740WD	Prime	SWIFbd3L.dtp	SWIFbd3L.dtp	H05	I05	T29	SSAF, SSAR Coherent	125	L (W32)	L (W42)	1000-8000	R (W57)	R (W80)	
A1740WD	Prime	SWIFbd3L.dtp	SWIFbd3L.dtp		I06	T27	SSAR Non Coherent				1000-8000	R (W57)	R (W80)	
A1740WD	Prime	SWIFbd3H.dtp	SWIFbd3H.dtp	H15			SSAF	1000	L (W32)	L (W42)				Forward only
A1740WD	Prime	SWIFbd3H.dtp	SWIFbd3H.dtp	H15	I05	T31	SSAF, SSAR Coherent	1000	L (W32)	L (W42)	1000-8000	R (W57)	R (W80)	

TIMED Board 1, 2, 3

Prime, Open IONet

SUPIDEN	MOC System	Desktop 1	Desktop 2	SSC FWD Code	SSC RTN Code	SSC Track Code	Service	FRATE	WSGT FWD LI PORT (UIFC)	STGT FWD LI PORT (UIFC)	RRATE	WSGT RTN LI PORT (UIFC)	STGT RTN LI PORT (UIFC)	Notes
A7601WD	Prime	TIMEDbd1.DTP	TIMEDbd1.DTP	H01	I01	T01	SSAR, SSAF Coho	2000	J (W30)	J (W40)	5180	P (W55)	P (W69)	
A7601WD	Prime	TIMEDbd1.DTP	TIMEDbd1.DTP	H01			SSAF	2000	J (W30)	J W40)				Forward only
A7601WD	Prime	TIMEDbd1.DTP	TIMEDbd1.DTP		I01	T01	SSAR – Non Coho				5180	P (W55)	P (W69)	
A7601WD	Prime	TIMEDbd2.DTP	TIMEDbd2.DTP	H02	I02	T02	SSAF, SSAR Coho	2000	K (W31)	K (W41)	5180	Q (W56)	Q (W79)	
A7601WD	Prime	TIMEDbd2.DTP	TIMEDbd2.DTP	H02			SSAF	2000	K (W31)	K (W41)				Forward only
A7601WD	Prime	TIMEDbd2.DTP	TIMEDbd2.DTP		I02	T02	SSAR – Non Coho				5180	Q (W56)	Q (W79)	
A7601WD	Prime	TIMEDbd3.DTP	TIMEDbd3.DTP	H03	I03	T03	SSAF, SSAR Coho	2000	L (W32)	L (W42)	5180	R (W57)	R (W80)	
A7601WD	Prime	TIMEDbd3.DTP	TIMEDbd3.DTP	H03			SSAF	2000	L (W32)	L (W42)				Forward only
A7601WD	Prime	TIMEDbd3.DTP	TIMEDbd3.DTP		I03	T03	SSAR – Non Coho				5180	R (W57)	R (W80)	
Playback														
TBS														

Ultra Long Duration Balloon

TBS

Appendix D. Desktop Configuration Parameters

CNOFS

Desktop				Mission		PTP		Sync	Frame		Address	Type
TLM 1		TLM 2		CMD		SWITCH			FWD			
Port	Length	Port	Length	Port	Length	Port	Length		Data Rate	Code	Virtual	Network
Description												
CNOF1bd1.DTP				CNOFS		1		disabled	1250		XXX.XXX.XXX.XXX	Client
6034	1250			n/a	n/a	n/a	n/a		n/a	n/a	n/a	Open
Synchronizer Disabled, TLM only												
CNOF1bd2.DTP				CNOFS		1		disabled	1250		XXX.XXX.XXX.XXX	Client
6034	1250			n/a	n/a	n/a	n/a		n/a	n/a	n/a	Open
Synchronizer Disabled, TLM only												
CNOF1bd3.DTP				CNOFS		1		disabled	1250		XXX.XXX.XXX.XXX	Client
6034	1250			n/a	n/a	n/a	n/a		n/a	n/a	n/a	Open
Synchronizer Disabled, TLM only												
CNOF2bd1.DTP				CNOFS		2		disabled	1250		XXX.XXX.XXX.XXX	Client
6035	1250			n/a	n/a	n/a	n/a		n/a	n/a	n/a	Open
Synchronizer Disabled, TLM only												
CNOF2bd2.DTP				CNOFS		2		disabled	1250		XXX.XXX.XXX.XXX	Client
6035	1250			n/a	n/a	n/a	n/a		n/a	n/a	n/a	Open
Synchronizer Disabled, TLM only												
CNOF2bd3.DTP				CNOFS		2		disabled	1250		XXX.XXX.XXX.XXX	Client
6035	1250			n/a	n/a	n/a	n/a		n/a	n/a	n/a	Open
Synchronizer Disabled, TLM only												

CNOFPB.DTP	CNOFS		1,2	n/a	1250		XXX.XXX.XXX.XXX	Client
6037 1250	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Open
PLAYBACK, PTP1&2								

c2614

E0-1

Desktop		Mission		PTP		Sync		Frame		Address	Type
TLM		CMD		SWITCH		FWD					
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual		Network	
Description											
EO1Bbd1.DTP		**EO1**		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0		Closed	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped											
EO1Bbd2.DTP		EO1		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0		Closed	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped											
EO1Bbd3.DTP		EO1		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0		Closed	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped											
EO1P1bd1.DTP		EO1		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped											
EO1P1bd2.DTP		EO1		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped											

Desktop		Mission		PTP		Sync	Frame		Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
EO1P1bd3.DTP		EO1		1,2		1ACFFC1D	1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped										
EO1P2bd1.DTP		EO1		1,2		1ACFFC1D	1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped										
EO1P2bd2.DTP		EO1		1,2		1ACFFC1D	1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped										
EO1P2bd3.DTP		EO1		1,2		1ACFFC1D	1264		XXX.XXX.XXX.XXX	Client
7050	1364	7051	622	12000	5	2000	NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Accept, Ileave=5, Vstream=1, Idle=Clamped										

FUSE

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
FUSEbd1.DTP	**FUSE**	1	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
20019 1204	20021 622	20020 5	2000 NRZ-L	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Strip R-S Symbols, Vstream=1, Idle=Clamped, Deblock CMDs						
FUSEbd1.DTP	FUSE	2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
20030 1204	20032 622	20031 5	2000 NRZ-L	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Strip R-S Symbols, Vstream=1, Idle=Clamped, Deblock CMDs						
FUSEbd2.DTP	FUSE	1	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
20019 1204	20021 622	20020 5	2000 NRZ-L	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Strip R-S Symbols, Vstream=1, Idle=Clamped, Deblock CMDs						
FUSEbd2.DTP	FUSE	2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
20030 1204	20032 622	20031 5	2000 NRZ-L	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Strip R-S Symbols, Vstream=1, Idle=Clamped, Deblock CMDs						
FUSEbd3.DTP	FUSE	1	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
20019 1204	20021 622	20020 5	2000 NRZ-L	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Strip R-S Symbols, Vstream=1, Idle=Clamped, Deblock CMDs						

Desktop		Mission		PTP		Sync	Frame	Address	Type
TLM		CMD		SWITCH		FWD			
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network
Description									
FUSEbd3.DTP		FUSE		2		1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
20030	1204	20032	622	20031	5	2000	NRZ-L	0	Open
Reed-Solomon; Correctable=Accept, Ileave=5, Strip R-S Symbols, Vstream=1, Idle=Clamped, Deblock CMDs									

GALEX

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
GALXBBD1.DTP	**GALEX**	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8011 1244	7011 342	9011 5	2000	NRZ-L 0,1	Open	
BACKUP, PTP1, Idle=Toggle						
GALXBBD1.DTP	GALEX	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8111 1244	7111 342	9111 5	2000	NRZ-L 0,1	Open	
BACKUP, PTP2, Idle=Toggle						
GALXBBD2.DTP	GALEX	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8011 1244	7011 342	9011 5	2000	NRZ-L 0,1	Open	
BACKUP, PTP1, Idle=Toggle						
GALXBBD2.DTP	GALEX	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8111 1244	7111 342	9111 5	2000	NRZ-L 0,1	Open	
BACKUP, PTP2, Idle=Toggle						
GALXBBD3.DTP	GALEX	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8011 1244	7011 342	9011 5	2000	NRZ-L 0,1	Open	
BACKUP, PTP1, Idle=Toggle						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
GALXBBD3.DTP	GALEX	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8111 1244	7111 342	9111 5	2000	NRZ-L 0,1	Open	
BACKUP, PTP2, Idle=Toggle						
GALXBpb1.DTP	GALEX	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
8011 1244	n/a n/a	n/a n/a	n/a	n/a n/a	Open	
BACKUP PLAYBACK, PTP1 Port						
GALXBpb2.DTP	GALEX	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
8111 1244	n/a n/a	n/a n/a	n/a	n/a n/a	Open	
BACKUP PLAYBACK, PTP2 Port						
GALXBTEST3.DTP	GALEX	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8011 1244	7011 342	9011 5	2000	NRZ-L 0,1	Open	
BACKUP, TEST, PTP1 Port, board3						
GALXBTEST3.DTP	GALEX	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8111 1244	7111 342	9111 5	2000	NRZ-L 0,1	Open	
BACKUP, TEST, PTP2 Port, board3						
GALXPBD1.DTP	GALEX	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
8011 1244	7011 342	9011 5	2000	NRZ-L 0,1	Open	
PRIME, PTP1 Port, Idle=Toggle						

Desktop		Mission		PTP		Sync		Frame	Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
GALXPBD1.DTP		GALEX		2		1ACFFC1D	1244		XXX.XXX.XXX.XXX	Client
8111	1244	7111	342	9111	5	2000	NRZ-L	0,1	Open	
PRIME, PTP2 Port, Idle=Toggle										
GALXPBD2.DTP		GALEX		1		1ACFFC1D	1244		XXX.XXX.XXX.XXX	Client
8011	1244	7011	342	9011	5	2000	NRZ-L	0,1	Open	
PRIME, PTP1 Port, Idle=Toggle										
GALXPBD2.DTP		GALEX		2		1ACFFC1D	1244		XXX.XXX.XXX.XXX	Client
8111	1244	7111	342	9111	5	2000	NRZ-L	0,1	Open	
PRIME, PTP2 Port, Idle=Toggle										
GALXPBD3.DTP		GALEX		1		1ACFFC1D	1244		XXX.XXX.XXX.XXX	Client
8011	1244	7011	342	9011	5	2000	NRZ-L	0,1	Open	
PRIME, PTP1 Port, Idle=Toggle										
GALXPBD3.DTP		GALEX		2		1ACFFC1D	1244		XXX.XXX.XXX.XXX	Client
8111	1244	7111	342	9111	5	2000	NRZ-L	0,1	Open	
PRIME, PTP2 Port, Idle=Toggle										
GALXPpb1.DTP		GALEX		1		n/a	n/a		XXX.XXX.XXX.XXX	Client
8011	1244	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Open	
PRIME, PLAYBACK, PTP1 Port										

Desktop		Mission		PTP		Sync		Frame	Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
GALXPpb2.DTP		GALEX		2		n/a		n/a	XXX.XXX.XXX.XXX	Client
8111	1244	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Open	
PRIME, PLAYBACK, PTP2 Port										
GALXPTEST3.DTP		GALEX		1		1ACFFC1D		1244	XXX.XXX.XXX.XXX	Client
8011	1244	7011	342	9011	5	2000	NRZ-L	0,1	Open	
PRIME, TEST, PTP1 Port, board3										
GALXPTEST3.DTP		GALEX		2		1ACFFC1D		1244	XXX.XXX.XXX.XXX	Client
8111	1244	7111	342	9111	5	2000	NRZ-L	0,1	Open	
PRIME, TEST, PTP2 Port, board3										

Gravity Probe-B

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
GPBDbd1H.DTP	**GP-B**	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBDbd1L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBDbd2H.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBDbd2L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBDbd3H.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
GPBDbd3L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBDpb.DTP	GP-B	1,2	n/a	n/a	XXX.XXX.XXX.XXX	Client
25020 1296	n/a n/a	n/a n/a	n/a n/a	n/a	Open	
PRIME PLAYBACK						
GPBEbd1H.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBEbd1L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBEbd2H.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBEbd2L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125 NRZ-M	0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						

Desktop		Mission		PTP		Sync		Frame		Address	Type
TLM		CMD		SWITCH		FWD					
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual		Network	
Description											
GPBEbd3H.DTP		GP-B		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
25020	1296	25021	IPDU	25022	5	2000	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped											
GPBEbd3L.DTP		GP-B		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
25020	1296	25021	IPDU	25022	5	125	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped											
GPBEpb.DTP		GP-B		1,2		n/a		n/a		XXX.XXX.XXX.XXX	Client
25020	1296	n/a	n/a	n/a	n/a	n/a	n/a		n/a	Open	
BACKUP PLAYBACK											
GPBGbd1H.DTP		GP-B		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
25020	1296	25021	IPDU	25022	5	2000	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped											
GPBGbd1L.DTP		GP-B		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
25020	1296	25021	IPDU	25022	5	125	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped											
GPBGbd2H.DTP		GP-B		1,2		1ACFFC1D		1264		XXX.XXX.XXX.XXX	Client
25020	1296	25021	IPDU	25022	5	2000	NRZ-M	0		Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped											

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
GPBGbd2L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125	NRZ-M 0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBGbd3H.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000	NRZ-M 0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBGbd3L.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125	NRZ-M 0	Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Clamped						
GPBGpb.DTP	GP-B	1,2	n/a	n/a	XXX.XXX.XXX.XXX	Client
25020 1296	n/a n/a	n/a n/a	n/a	n/a n/a	Open	
ITF PLAYBACK						
GPBH_test_D.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000	NRZ-M 0	Open	
Test Desktop: Data source=GPB_2k.bin, Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5						
GPBH_test_E.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000	NRZ-M 0	Open	
Test Desktop: Data source=GPB_2k.bin, Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
GPBH_test_G.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	2000	NRZ-M 0	Open	
Test Desktop: Data source=GPB_2k.bin, Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5						
GPBL_test_D.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125	NRZ-M 0	Open	
Test Desktop: Data source=GPB_1k.bin, Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5						
GPBL_test_E.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125	NRZ-M 0	Open	
Test Desktop: Data source=GPB_1k.bin, Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5						
GPBL_test_G.DTP	GP-B	1,2	1ACFFC1D	1264	XXX.XXX.XXX.XXX	Client
25020 1296	25021 IPDU	25022 5	125	NRZ-M 0	Open	
Test Desktop: Data source=GPB_1k.bin, Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5						

Landsat-7

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						

Prime

L7P1_test.DTP		LANDSAT7		1		n/a		n/a	XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	n/a	n/a	n/a	Closed	
File=LI212200_2161_LS7CADU										
L7P1_test.DTP		LANDSAT7		2		n/a		n/a	XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	n/a	n/a	n/a	Closed	
File=LI212200_2161_LS7CADU										
L7P1bd1H.DTP		LANDSAT7		1		1ACFFC1D		760	XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	1000	NRZ-L	All	Closed	
Idle=Clamped										
L7P1bd1H.DTP		LANDSAT7		2		1ACFFC1D		760	XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	1000	NRZ-L	All	Closed	
Idle=Clamped										
L7P1bd1L.DTP		LANDSAT7		1		1ACFFC1D		760	XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	125	NRZ-L	All	Closed	
Idle=Clamped										

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
L7P1bd1L.DTP	LANDSAT7	2	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125 NRZ-L	All	Closed	
Idle=Clamped						
L7P1bd2H.DTP	LANDSAT7	1	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000 NRZ-L	All	Closed	
Idle=Clamped						
L7P1bd2H.DTP	LANDSAT7	2	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000 NRZ-L	All	Closed	
Idle=Clamped						
L7P1bd2L.DTP	LANDSAT7	1	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125 NRZ-L	All	Closed	
Idle=Clamped						
L7P1bd2L.DTP	LANDSAT7	2	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125 NRZ-L	All	Closed	
Idle=Clamped						
L7P1bd3H.DTP	LANDSAT7	1	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000 NRZ-L	All	Closed	
Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
L7P1bd3H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P1bd3L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P1bd3L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P1pb1.DTP	LANDSAT7	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
55651 792	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
PLAYBACK, PTP1, PRIMARY MOC 1						
L7P1pb2.DTP	LANDSAT7	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
55751 792	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
PLAYBACK, PTP2, PRIMARY MOC 1						
L7P2bd1H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L All	Closed	
Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
L7P2bd1H.DTP	LANDSAT7	2	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000 NRZ-L	All	Closed	
Idle=Clamped						
L7P2bd1L.DTP	LANDSAT7	1	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125 NRZ-L	All	Closed	
Idle=Clamped						
L7P2bd1L.DTP	LANDSAT7	2	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125 NRZ-L	All	Closed	
Idle=Clamped						
L7P2bd2H.DTP	LANDSAT7	1	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000 NRZ-L	All	Closed	
Idle=Clamped						
L7P2bd2H.DTP	LANDSAT7	2	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000 NRZ-L	All	Closed	
Idle=Clamped						
L7P2bd2L.DTP	LANDSAT7	1	1ACFFC1D 760		XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125 NRZ-L	All	Closed	
Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
L7P2bd2L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P2bd3H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P2bd3H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P2bd3L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P2bd3L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P2pb1.DTP	LANDSAT7	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
55651 792	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
PLAYBACK, PTP1, PRIMARY MOC 2						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
L7P2pb2.DTP	LANDSAT7	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
55751 792	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
PLAYBACK, PTP2, PRIMARY MOC 2						
L7P3bd1H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P3bd1H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P3bd1L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P3bd1L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P3bd2H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L All	Closed	
Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code	Virtual	Network
Description						
L7P3bd2H.DTP	LANDSAT7	2	1ACFFC1D	760		XXX.XXX.XXX.XXX Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L	All	Closed
Idle=Clamped						
L7P3bd2L.DTP	LANDSAT7	1	1ACFFC1D	760		XXX.XXX.XXX.XXX Client
55651 792	55660 IPDU	60001 5	125	NRZ-L	All	Closed
Idle=Clamped						
L7P3bd2L.DTP	LANDSAT7	2	1ACFFC1D	760		XXX.XXX.XXX.XXX Client
55751 792	55760 IPDU	60002 5	125	NRZ-L	All	Closed
Idle=Clamped						
L7P3bd3H.DTP	LANDSAT7	1	1ACFFC1D	760		XXX.XXX.XXX.XXX Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L	All	Closed
Idle=Clamped						
L7P3bd3H.DTP	LANDSAT7	2	1ACFFC1D	760		XXX.XXX.XXX.XXX Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L	All	Closed
Idle=Clamped						
L7P3bd3L.DTP	LANDSAT7	1	1ACFFC1D	760		XXX.XXX.XXX.XXX Client
55651 792	55660 IPDU	60001 5	125	NRZ-L	All	Closed
Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
L7P3bd3L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L All	Closed	
Idle=Clamped						
L7P3pb1.DTP	LANDSAT7	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
55651 792	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
PLAYBACK, PTP1, PRIMARY MOC 3						
L7P3pb2.DTP	LANDSAT7	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
55751 792	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
PLAYBACK, PTP2, PRIMARY MOC 3						
L7P4bd1H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P4bd1H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L All	Closed	
Idle=Clamped						
L7P4bd1L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L All	Closed	
Idle=Clamped						

Desktop		Mission		PTP		Sync		Frame		Address	Type
TLM		CMD		SWITCH		FWD					
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual		Network	
Description											
L7P4bd1L.DTP		LANDSAT7		2		1ACFFC1D		760		XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	125	NRZ-L	All		Closed	
Idle=Clamped											
L7P4bd2H.DTP		LANDSAT7		1		1ACFFC1D		760		XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	1000	NRZ-L	All		Closed	
Idle=Clamped											
L7P4bd2H.DTP		LANDSAT7		2		1ACFFC1D		760		XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	1000	NRZ-L	All		Closed	
Idle=Clamped											
L7P4bd2L.DTP		LANDSAT7		1		1ACFFC1D		760		XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	125	NRZ-L	All		Closed	
Idle=Clamped											
L7P4bd2L.DTP		LANDSAT7		2		1ACFFC1D		760		XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	125	NRZ-L	All		Closed	
Idle=Clamped											
L7P4bd3H.DTP		LANDSAT7		1		1ACFFC1D		760		XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	1000	NRZ-L	All		Closed	
Idle=Clamped											

Desktop		Mission		PTP		Sync		Frame	Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
L7P4bd3H.DTP		LANDSAT7		2		1ACFFC1D		760	XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	1000	NRZ-L	All	Closed	
Idle=Clamped										
L7P4bd3L.DTP		LANDSAT7		1		1ACFFC1D		760	XXX.XXX.XXX.XXX	Client
55651	792	55660	IPDU	60001	5	125	NRZ-L	All	Closed	
Idle=Clamped										
L7P4bd3L.DTP		LANDSAT7		2		1ACFFC1D		760	XXX.XXX.XXX.XXX	Client
55751	792	55760	IPDU	60002	5	125	NRZ-L	All	Closed	
Idle=Clamped										
L7P4pb1.DTP		LANDSAT7		1		n/a		n/a	XXX.XXX.XXX.XXX	Client
55651	792	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Closed	
PLAYBACK, PTP1, PRIMARY MOC 4										
L7P4pb2.DTP		LANDSAT7		2		n/a		n/a	XXX.XXX.XXX.XXX	Client
55751	792	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Closed	
PLAYBACK, PTP2, PRIMARY MOC 4										

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
Backup						
LS7Bbd1H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd1H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd1L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd1L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd2H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd2H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L n/a	Open	
Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
LS7Bbd2L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd2L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd3H.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	1000	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd3H.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	1000	NRZ-L n/a	Open	
Idle=Clamped						
LS7Bbd3L.DTP	LANDSAT7	1	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55651 792	55660 IPDU	60001 5	125	NRZ-L n/a	Closed	
Idle=Clamped						
LS7Bbd3L.DTP	LANDSAT7	2	1ACFFC1D	760	XXX.XXX.XXX.XXX	Client
55751 792	55760 IPDU	60002 5	125	NRZ-L n/a	Closed	
Idle=Clamped						

Desktop		Mission		PTP		Sync		Frame	Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
LS7Bpb1.DTP		LANDSAT7		1		n/a		n/a	XXX.XXX.XXX.XXX	Client
55651	792	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Closed	
PLAYBACK, PTP1, BACKUP MOC										
LS7Bpb2.DTP		LANDSAT7		2		n/a		n/a	XXX.XXX.XXX.XXX	Client
55751	792	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Closed	
PLAYBACK, PTP2, BACKUP MOC										

Long Duration Balloon

Desktop		Mission		PTP		Sync	Frame		Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
LDBBbd1H.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6000	1264	6001	8	6002	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBBbd1H.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7000	1264	7001	8	7002	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBBbd1L.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6000	1264	6001	8	6002	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBBbd1L.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7000	1264	7001	8	7002	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBBbd2H.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6010	1264	6011	8	6012	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped										

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code	Virtual Network	
Description						
LDBBbd2H.DTP	LDB	2	Disabled	1264	XXX.XXX.XXX.XXX	Client
7010 1264	7011 8	7012 5	1000	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped						
LDBBbd2L.DTP	LDB	1	Disabled	1264	XXX.XXX.XXX.XXX	Client
6010 1264	6011 8	6012 5	125	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped						
LDBBbd2L.DTP	LDB	2	Disabled	1264	XXX.XXX.XXX.XXX	Client
7010 1264	7011 8	7012 5	125	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped						
LDBBbd3H.DTP	LDB	1	Disabled	1264	XXX.XXX.XXX.XXX	Client
6020 1264	6021 8	6022 5	1000	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped						
LDBBbd3H.DTP	LDB	2	Disabled	1264	XXX.XXX.XXX.XXX	Client
7020 1264	7021 8	7022 5	1000	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped						
LDBBbd3L.DTP	LDB	1	Disabled	1264	XXX.XXX.XXX.XXX	Client
6020 1264	6021 8	6022 5	125	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code	Virtual Network	
Description						
LDBBbd3L.DTP	LDB	2	Disabled	1264	XXX.XXX.XXX.XXX	Client
7020 1264	7021 8	7022 5	125	NRZ-L	n/a Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped						
LDBP1pb1.DTP	LDB	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
6000 1264	n/a n/a	n/a n/a	n/a	n/a	n/a Closed	
PLAYBACK= D:\INETPUB\FTPROOT\LDB1, PTP1						
LDBP1pb2.DTP	LDB	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
7000 1264	n/a n/a	n/a n/a	n/a	n/a	n/a Closed	
PLAYBACK= D:\INETPUB\FTPROOT\LDB1, PTP2						
LDBP2pb1.DTP	LDB	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
6010 1264	n/a n/a	n/a n/a	n/a	n/a	n/a Closed	
PLAYBACK= D:\INETPUB\FTPROOT\LDB2, PTP1						
LDBP2pb2.DTP	LDB	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
7010 1264	n/a n/a	n/a n/a	n/a	n/a	n/a Closed	
PLAYBACK= D:\INETPUB\FTPROOT\LDB2, PTP2						
LDBP3pb1.DTP	LDB	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
6020 1264	n/a n/a	n/a n/a	n/a	n/a	n/a Closed	
PLAYBACK= D:\INETPUB\FTPROOT\LDB3, PTP1						

Desktop		Mission		PTP		Sync	Frame		Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
LDBP3pb2.DTP		LDB		2		n/a	n/a		XXX.XXX.XXX.XXX	Client
7020	1264	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Closed	
PLAYBACK= D:\INETPUB\FTPROOT\LDB3, PTP2										
LDBPbd1H.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6000	1264	6001	8	6002	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBPbd1H.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7000	1264	7001	8	7002	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBPbd1L.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6000	1264	6001	8	6002	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBPbd1L.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7000	1264	7001	8	7002	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB1, Idle=Clamped										
LDBPbd2H.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6010	1264	6011	8	6012	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped										

Desktop		Mission		PTP		Sync	Frame		Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
LDBPbd2H.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7010	1264	7011	8	7012	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped										
LDBPbd2L.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6010	1264	6011	8	6012	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped										
LDBPbd2L.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7010	1264	7011	8	7012	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB2, Idle=Clamped										
LDBPbd3H.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6020	1264	6021	8	6022	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped										
LDBPbd3H.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7020	1264	7021	8	7022	5	1000	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped										
LDBPbd3L.DTP		LDB		1		Disabled	1264		XXX.XXX.XXX.XXX	Client
6020	1264	6021	8	6022	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped										

Desktop		Mission		PTP		Sync	Frame		Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
LDBPbd3L.DTP		LDB		2		Disabled	1264		XXX.XXX.XXX.XXX	Client
7020	1264	7021	8	7022	5	125	NRZ-L	n/a	Closed	
RECORD= D:\INETPUB\FTPROOT\LDB3, Idle=Clamped										

SORCE

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
SORCEbd1.DTP	SORCE	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26000 1080	26010 LEO-T	26020 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
SORCEbd1.DTP	SORCE	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26001 1080	26011 LEO-T	26021 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
SORCEbd2.DTP	SORCE	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26000 1080	26010 LEO-T	26020 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
SORCEbd2.DTP	SORCE	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26001 1080	26011 LEO-T	26021 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
SORCEbd3.DTP	SORCE	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26000 1080	26010 LEO-T	26020 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code Virtual	Network	
Description						
SORCEbd3.DTP	SORCE	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26001 1080	26011 LEO-T	26021 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
SORCEtest.DTP	SORCE	1	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26000 1080	26010 LEO-T	26020 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5, File=c:\ptp_user\logs\sorce4k.bin, rate=4000						
SORCEtest.DTP	SORCE	2	1ACFFC1D	1244	XXX.XXX.XXX.XXX	Client
26001 1080	26011 LEO-T	26021 5	2000	NRZ-L 0,1	Closed	
Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5, File=c:\ptp_user\logs\sorce4k.bin, rate=4000						
SORCpb.DTP	SORCE	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
26000 1080	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
File=d:\inetpub\ftproot\sorce\playback.rec, rate=4000						
SORCpb.DTP	SORCE	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
26001 1080	n/a n/a	n/a n/a	n/a	n/a n/a	Closed	
File=d:\inetpub\ftproot\sorce\playback.rec, rate=4000						

Swift

Desktop		Mission		PTP		Sync		Frame	Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
SWIFbd1H.DTP		SWIFT		1		1ACFFC1D		134	XXX.XXX.XXX.XXX	Client
26100	134	26110	LEO-T	26120	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd1H.DTP		SWIFT		2		1ACFFC1D		134	XXX.XXX.XXX.XXX	Client
26200	134	26210	LEO-T	26220	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd1H_test.DTP		SWIFT		1		1ACFFC1D		134	XXX.XXX.XXX.XXX	Client
26100	134	26110	LEO-T	26120	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped, file=c:\ptp_user\logs\swiftvc509202002, rate=1000										
SWIFbd1H_test.DTP		SWIFT		2		1ACFFC1D		134	XXX.XXX.XXX.XXX	Client
26200	134	26210	LEO-T	26220	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped, file=c:\ptp_user\logs\swiftvc509202002, rate=1000										
SWIFbd1L.DTP		SWIFT		1		1ACFFC1D		134	XXX.XXX.XXX.XXX	Client
26100	134	26110	LEO-T	26120	5	125	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										

Desktop		Mission		PTP		Sync	Frame		Address	Type
TLM		CMD		SWITCH		FWD				
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description										
SWIFbd1L.DTP		SWIFT		2		1ACFFC1D	134		XXX.XXX.XXX.XXX	Client
26200	134	26210	LEO-T	26220	5	125	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd2H.DTP		SWIFT		1		1ACFFC1D	134		XXX.XXX.XXX.XXX	Client
26100	134	26110	LEO-T	26120	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd2H.DTP		SWIFT		2		1ACFFC1D	134		XXX.XXX.XXX.XXX	Client
26200	134	26210	LEO-T	26220	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd2L.DTP		SWIFT		1		1ACFFC1D	134		XXX.XXX.XXX.XXX	Client
26100	134	26110	LEO-T	26120	5	125	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd2L.DTP		SWIFT		2		1ACFFC1D	134		XXX.XXX.XXX.XXX	Client
26200	134	26210	LEO-T	26220	5	125	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										
SWIFbd3H.DTP		SWIFT		1		1ACFFC1D	134		XXX.XXX.XXX.XXX	Client
26100	134	26110	LEO-T	26120	5	1000	NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped										

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
SWIFbd3H.DTP	SWIFT	2	1ACFFC1D	134	XXX.XXX.XXX.XXX	Client
26200 134	26210 LEO-T	26220 5	1000 NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped						
SWIFbd3L.DTP	SWIFT	1	1ACFFC1D	134	XXX.XXX.XXX.XXX	Client
26100 134	26110 LEO-T	26120 5	125 NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped						
SWIFbd3L.DTP	SWIFT	2	1ACFFC1D	134	XXX.XXX.XXX.XXX	Client
26200 134	26210 LEO-T	26220 5	125 NRZ-M	5,63	Open	
CRC check=Enabled, Idle=Clamped						
SWIFTpb1.DTP	SWIFT	1	n/a	n/a	XXX.XXX.XXX.XXX	Client
26100 134	n/a n/a	n/a n/a	n/a n/a	n/a	Open	
file=d:\inetpub\ftproot\swift\playback.rec, rate=4000						
SWIFTpb2.DTP	SWIFT	2	n/a	n/a	XXX.XXX.XXX.XXX	Client
26200 134	n/a n/a	n/a n/a	n/a n/a	n/a	Open	
file=d:\inetpub\ftproot\swift\playback.rec, rate=4000						

TIMED

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code	Virtual Network	
Description						
TIMEDbd1.DTP	TIMED	1,2	1ACFFC1D	1234	XXX.XXX.XXX.XXX	Client
6139 1074	6137 LEO-T	6138 5	2000	NRZ-L	7 Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
TIMEDbd2.DTP	TIMED	1,2	1ACFFC1D	1234	XXX.XXX.XXX.XXX	Client
6139 1074	6137 LEO-T	6138 5	2000	NRZ-L	7 Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
TIMEDbd3.DTP	TIMED	1,2	1ACFFC1D	1234	XXX.XXX.XXX.XXX	Client
6139 1074	6137 LEO-T	6138 5	2000	NRZ-L	7 Open	
Reed-Solomon; Correctable=Accept, Ileave=5, Idle=Toggle						
Timedtest.DTP	TIMED	1,2	1ACFFC1D	1234	XXX.XXX.XXX.XXX	Client
6139 1074	6137 LEO-T	6138 5	1000	NRZ-L	7 Open	
Reed-Solomon; Correctable=Accept, Uncorrectable=Reject, Ileave=5, Randomized FWD, Preamble (16) Pattern=55						

Ultra Long Duration Balloon

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual	Network	
Description						
UBERbd1H.DTP	ULDB	1,2	Disabled	500	PTP	Serve
21500	500	25000	8	22500	5	1000	NRZ-M	0,1,2,3	Closed	

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate	Code	Virtual	Network
Description						
UBERbd3L.DTP	ULDB	1,2	Disabled	500	PTP	Serve
21502 500	25002 8	22502 5	125	NRZ-M	0,1,2,3	Closed
BERT Data Mode, Idle=Clamped						
ULDBbd1H.DTP	ULDB	1,2	1ACFFC1D	500	PTP	Serve
21500 500	25000 8	22500 5	1000	NRZ-M	0,1,2,3	Closed
WFF Monitor, VC 0,2, Port 21600, Idle=Clamped						
ULDBbd1L.DTP	ULDB	1,2	1ACFFC1D	500	PTP	Serve
21500 500	25000 8	22500 5	125	NRZ-M	0,1,2,3	Closed
WFF Monitor, VC 0,2, Port 21600, Idle=Clamped						
ULDBbd2H.DTP	ULDB	1,2	1ACFFC1D	500	PTP	Serve
21501 500	25001 8	22501 5	1000	NRZ-M	0,1,2,3	Closed
WFF Monitor, VC 0,2, Port 21601, Idle=Clamped						
ULDBbd2L.DTP	ULDB	1,2	1ACFFC1D	500	PTP	Serve
21501 500	25001 8	22501 5	125	NRZ-M	0,1,2,3	Closed
WFF Monitor, VC 0,2, Port 21601, Idle=Clamped						
ULDBbd3H.DTP	ULDB	1,2	1ACFFC1D	500	PTP	Serve
21502 500	25002 8	22502 5	1000	NRZ-M	0,1,2,3	Closed
WFF Monitor, VC 0,2, Port 21602, Idle=Clamped						

Desktop	Mission	PTP	Sync	Frame	Address	Type
TLM	CMD	SWITCH	FWD			
Port Length	Port Length	Port Length	Data Rate Code	Virtual	Network	
Description						
ULDBbd3L.DTP	ULDB	1,2	1ACFFC1D	500	PTP	Serve
21502 500	25002 8	22502 5	125 NRZ-M	0,1,2,3	Closed	
WFF Monitor, VC 0,2, Port 21602, Idle=Clamped						
ULDBOpb1.DTP	ULDB	n/a	n/a	n/a	PTP	Serve
21500 n/a	n/a n/a	n/a n/a	n/a n/a	n/a	Closed	
PLAYBACK, OCC, BOARD 1 PORT						
ULDBOpb2.DTP	ULDB	n/a	n/a	n/a	PTP	Serve
21501 n/a	n/a n/a	n/a n/a	n/a n/a	n/a	Closed	
PLAYBACK, OCC, BOARD 2 PORT						
ULDBOpb3.DTP	ULDB	n/a	n/a	n/a	PTP	Serve
21502 n/a	n/a n/a	n/a n/a	n/a n/a	n/a	Closed	
PLAYBACK, OCC, BOARD 2 PORT						
ULDBWpb1.DTP	ULDB	n/a	n/a	n/a	PTP	Serve
21600 n/a	n/a n/a	n/a n/a	n/a n/a	n/a	Closed	
PLAYBACK, WFF, BOARD 1 PORT						
ULDBWpb2.DTP	ULDB	n/a	n/a	n/a	PTP	Serve
21601 n/a	n/a n/a	n/a n/a	n/a n/a	n/a	Closed	
PLAYBACK, WFF, BOARD 2 PORT						

Desktop		Mission		PTP		Sync		Frame		Address	Type
TLM		CMD		SWITCH		FWD					
Port	Length	Port	Length	Port	Length	Data Rate	Code	Virtual		Network	
Description											
ULDBWpb3.DTP		ULDB		n/a		n/a		n/a		PTP	Serve
21602	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Closed	
PLAYBACK, WFF, BOARD 2 PORT											

Appendix E. Addition of Configuration Files to HP Scheduler

Appendix deleted.

CSOC-GSFC-
HDBK-002799

WSC Transmission Control Protocol (TCP)/Internet Protocol (IP) Data Interface Service Capability (WDISC) Handbook for Desktop Development and Implementation, and Systems Tools and Maintenance

Original